

W. H. Kelley
Medical
Note Book

measured
SOLD BY
HIRAM HARRIS,
59 BROAD STREET
CHARLES T. O. S. C.

St. Mary's

MEDICAL COLLEGE

OF THE

STATE OF SOUTH CAROLINA.

The LECTURES in this Institution will be delivered during the ensuing session, as follows :

Monday,
9 o'clock, on OBSTETRICS.
10 o'clock, on PATHOLOGY.
11 o'clock, on SURGERY.
12 o'clock, on PRACTICE OF MEDICINE.

Tuesday,

THE
ABNER WELLBORN CALHOUN
MEDICAL LIBRARY
1923

Wednesday,



Thursday,

Friday,

CLASS _____

BOOK _____

Saturday,

PRESENTED BY

The Clinical Lectures will be delivered at the City Hospital, in Mazyck street, by the Professors of PRACTICE OF MEDICINE, OBSTETRICS, SURGERY, and Dr. F. P. PORCHER, the Physician in charge of the Hospital.

THE ANATOMICAL ROOMS.

Dissections conducted Daily under the direction of Dr. F. L. PARKER and Dr. W. H. BAILEY.

F. M. ROBERTSON, M. D.,

CHARLESTON, S. C., Nov., 1868.

Dean of Faculty.

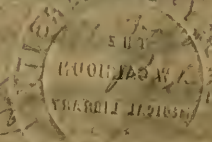
11
... of the ...
... cessation The ...
... given up to ...
... physico chemical ... + ...
... from The Vital Lungs - Sympt.
phenomena of disease.

Deaths viz

2
Sudden death spec. death usually ...
... by peculiar signs viz ...
... Hypertension? Vital ...
... The true so called Portal ...
... death apparent death Rigor ...
... Mortis + decomposition Sudden ...
... death must not be considered a ...
... termination of disease call it spec ...
... death as in acute disease viz Pericard ...
... Pleuritis as Inhalation of chloroform ...
... death by signs ...
... of death for acute ...
... Pericarditis ...
... in ...
... 12 of ...
... 12

Sign of death as it rises over the
death persurren signs
which is original of sweat & sph
becomes red & all the
return their tenacity to the
heart & in the death course
in the medial oblique death
death by cancer & by surgery
dyspnea & the heart & lungs

Rigor Mortis is owing to coagulation
of the albumen fluids in the
muscles. It is then it is
suddenly takes place & is
death begins which neck & the
sup & trunk & in the
24 & 36 hours after death
decomposition earlier the
in the time of the
Mark of the
later at the



Autopsy How to perform it Cells
Cells content Protoplasm & nucleus &
Morphology & function of
Cells some time remain dormant in the
System for a long time they are the
Progress of development & degeneration
Embryo is a type of a cell Old
the type of differentiation of cells
Blood Polythemia & Leukemia
Full of red corpuscles
Cells The amount of
red corpuscles
Proportion of blood cells & Serum
in blood which is composed of
Plasma in Oligocythemia
Chlorosis of spleen & Spleen
Leucocythemia & Leucemia
Blood red cells 152 to 1 white
Polythemia Plethoria
Oligocythemia Anaemia
Chlorosis Chloranemia
Leucocythemia Leucemia
Myeloidosis Diseases of the blood
Hemorrhage Hemorrhage

a Ling of heart as it rises even when
 in death percurry signs of
 heart is. Displacement of S. in the
 and becomes re. of the heart. The
 I find in the heart
 retain their loc. in the heart
 heart becomes the S. in the heart
 in the Medulla Oblongata. The heart
 is in the heart. The heart is in the
 heart. The heart is in the heart.

Rigor Mortis is owing to coagulation
 of the Albuminous fluids in the
 muscles. The muscles lose their
 elasticity. Takes place 2 or 3 hours after
 death begins. First Neck & Throat
 Sup. of trunk & Inf. of trunk. Last
 24 & 36 hours. The rigor is
 composition earlier than the
 time of the rigor. The rigor is
 the rigor. The rigor is the rigor.

Autopsy How to prepare a Cell
 Cells Control Protoplasm & nucleus
 Morphology & function of cells
 Cells sometimes remain dormant in the
 System for a long time. They enter the
 Progression of development & degeneration
 Embryo is a type of a cell - Old cell
 is the type of degeneration of cells
 Blood & Polycythemia is a Pathology
 full of red corpuscles
 Anemia The absence of red
 corpuscles & red corpuscles
 Poverty of blood cells of serum
 in blood, which is converted to
 chlorosis in Oligocythemia
 Chlorosis of green skin for
 Leucocythemia is increased -
 Blood red cells 150 to 1 white
 Polycythemia Plethoria
 Oligocythemia Anemia
 Chlorosis Chlorosis
 Leucocythemia Leucocythemia
 Myeloidosis Diseases of spleen
 Leukemia Leukemia

or
on the
my

Albumen, { alteration of Fibrin
Hyperalbuminemia { Increase of Albumen
Hypalbuminemia { Decrease of Albumen
as in dropsy
Thrombosis { Coagulation of fibrin within the
Blood { Brady Fibrin, imperfect fibrin
Dysphemia in Milk { Condition of Blood
Hæmorrhage

Fever is not a distinct disease Fever is the
abnormal excitation + increase of
temperature of the body as an essential
Symptom of the rapidly of the
inflammation with a constant
duration + depression of Nervous
+ digestive functions

Temperature

The Temperature of the body is
determined between the Heating
and cooling power +
development of Heat control
by nervous action The thermometer
shows various ~~the~~ and in between
that the { has a general rule the
the heat between the body and the

at Chong as
 Pash 1012

The Thermometer only gives us the heat which
 is thrown off by the skin but not the heat
 of the internal body and heat

1005. Saliva	2 $\frac{1}{3}$ to 3 $\frac{1}{2}$	
1010. Gastric	8 to 12	1 cent
1015 Bile	2 $\frac{1}{2}$	nervous
1055 Blood	14. in mm	by
1040 Pancreas	1 to 2 lb	white
1025 Urine	3 and	red
Parotid Gland	side	is a thin
Car. Stomach	duct	pulsate
Sub Lingual		partly
under tongue		one of
sub Bartholin		oblique
Sub-Maxillary		soft of
below jaw		
Wharton		

in various parts of the body
 in various parts of the body

Dr. C. G. ...
D. H. ...

Albumen { alteration of Fibrin
Hyperalbuminemia { Increase of Albumen
as in dropsy

Hypalbuminemia {
Hypoproteinemia {
Blood { R 3 1/2 Wicks. 2. Wt 10 1/2 23

Liphaemia {
Pancreas 6 to 8 Long
Thyroid 1 1/2 thick Wt 2 1/2 3

Thyroid is not
abnormal
temperatures 3 to 4 thick

Spleen 10 to 12 transverse
in cm 6 to 7 anterior posterior
during Wt 3 to 4 lb

+ organs
Pancreas 6 to 8
Vertical 10 to 12 in
transverse 6 in

The J. Wt 2 1/2
Esophagus 5 thick
anterior 5 thick

Stomach 5 thick
Wt 2 1/2 3 1/2

by J. H. ...
Stomach 5 thick
Wt 2 1/2 3 1/2

Stomach 5 thick
Wt 2 1/2 3 1/2

at Chas. no
Parker 1862

The Thermometer only gives us the heat which is thrown off by the skin but not the heat of the internal body. 99° Normal Heat of body.

Nervous Control of Heat. It not control unless bring on other phenomena nervous system controls the heat of body by experiment by cutting the sympathetic nerves of Rabbit ear will produce increased heat. par vagus is a nerve of regulation visible in slow pulsations also of the heart anoxia is par vagus of the par vagus which produces in fever. Heat is generally a symptom Hall of Heat + increase of Pulse Show sign of death
Heart

Heart Inspection Palpation Percussion Auscultation Heart 2 Sound 1st Sound due to the tension or contraction of the Insuperior Tricuspid Valve 2nd due to the closure + rush of blood through Semilunar or Aortic Valve 3rd Sound in origin a disturbance with other sounds which

Dr. Chas. B. Parker

Heart Inspection Symptoms of Heart to be employed
1st Inspection Palpation & Percussion & Auscultation
1st Mitral Sound heard Maximum between point of
Heart & left nipple 2nd Tricuspid beneath
Sternum & between 5th Costal Cartilages 3rd Aortic
Orifice beneath point of Sternum adjoining left
3rd Costal Cartilage 4 Pulmonary Orifice
2nd with costal space $\frac{1}{2}$ inch left of
Sternum (Anemic Sound always systolic)
according to seat of Maximum Systolic
Murmur denotes insufficiency of the
Aortic Valve Orifices of Stenoses
of the aortic Orifice Diastolic murmur
denotes the opposite of the Systolic
Aortic Sounds! takes place during the Systole
we have Stenosis or narrowing of Aortic
Orifice when a diastolic murmur is heard of the
Pulse

Pulse due to dilation of The Aorta & The
Pulse of the Aorta
Pulse signifies a double pulse with one
hard beat & then a slow beat occurs, in
Certain Diseases caused by Syphilis which
dilate the Aorta a double pulse is

Pulse Inequality of Pulse in Arteries of the
also in fatty degeneration have slow pulse
when pulse is absent at the radial & at some
other artery when below normal pulse
call slow - Pulse is sometimes small & pa-
ciet in abdominal Typhus - ~~Pulse is~~
maybe Irregular Intermittent ~~Irregular~~

Arteriosclerosis

Arteriosclerosis Condition of Arteries means
a Tumor containing a granular condition
also have fatty degeneration, we have
no proliferation but a fatty degeneration
take place in the inner Coat of Artery.

Aneurysm

Aneurysm is a dilatation of an artery
found in different ways, 1st True Aneurysm
involves all 3 membranes of the artery
2nd Mixed Aneurysm only the outer coat
of the artery forms the sack. 3rd
False Capillated An Sack form of
condensed connective tissue with
Cystogenous by a primitive cyst
between the coats opening into the
artery. Aneurysm without a sack

Arteries 1st Primitive Diffused Arteries
 2nd Constrict Diffused Arteries Arteries
 Communicate with a vein 1st Arteries
 Simple Communication 1st of Sack forms
 by related vein Sack newly developed
 True Arteries

True Arteries fusiform shape take place in 3 cont
 1st artery seldom reaches the size of a muscle
 internal surface have Arteriosclerosis of it penetrates
 the muscular coat will have fatty degeneration

Mixed Arteries 1st Cont the Sack

Mixed Arteries become larger than others
 become at first have more condensed
 connective tissue form by Inflammation
 have a decrease of their form
 Absorption alone may be seen
 a part of Sack may become bone
 it may burst outside or a cavity
 form in Sack layer of Clots of blood
 the blood may turn to pus
 through them by a calculus the
 vessel opens and it is a
 sudden (Old) The opening of Hales
 cap related it has a

^{on hand}
^{Bartholin}
Anemism The white cells become adherent
& form a layer - they hold the red cells
from passing on to the sides the cells
proliferate they lose some of their function
The size of Sticks variable In the affected
region size of the Sticks have pain
Paralysis, Diphtheria present in the
throat, present in the throat present
on some important veins will give edema
of parts which may be obliterated
may have gangrene (like edema)
a vessel (Dead) occurs generally occurs
by thrombosis they sometimes heal by
a plug in the artery & might be
organized a thrombus may form
Cases - Mechanical contraction of
rupturing pressure formation of Sticks
Common Cause Another occurs in
the arteries which carry red blood
It seldom occurs before age 20 It starts
at age 50 years) as the patient grows
in a great number about Diphtheria
Aorta is the first place for them
It occurs more in men than women

S. Chazy

Thrombosis may have a general tendency
to Arteries / Embolism in Arteries & Veins
may have fully Separated Embolism
more affected than.

Thrombus

Thrombus is the process by which a closure
of a vessel by a clot of blood called
Thrombus. The clot which is found in the
vessel, may be separated may undergo Coagulation
change and Granulation the most striking
change is a puriform they go up to the
point of Coagulation Circulation may have
it from a very thin Causes External Causes
Constriction of Circulation Constriction of Heart
Constitution of the vessel Mechanical
Wounds, a means of arrest Stimulus
passure of Tumor (inside) of vessels

Thrombosis

Thrombosis is the formation of Clots in
the living vessels—

Embolism

Embolism is the closing up of vascular
branches by bodies brought from distant
parts of the vascular system Embolism
the formation of clots in arteries & veins 2 En

Thrombus causes retardation of circulation
Typhoid fever pain the legs & swelling
is Thrombus but gets better in Chloroform
also has Thrombus formation also Tuberculosis
Cancer also most striking character a purple
condition of the female another abnormal
condition of the vessels

Embolia

Embolia formation a clot may become soft
or abnormal condition of blood increased
pressure of circulation on fibrin may be
torn off & wash off in the stream It
forms a plug call an Embolus form
generally by a part or altered clot of
blood may be derived from small part
of air Arteriosclerosis morbid growth
also send. The fragments of the Clot
It goes to the right heart penetrates
the right ventricle then goes to Pulmonary
Artery, Spleen, ^{Renal} ^{Cerebral} ^{Capillary} ^{System}
Lymphatic glands The clot is excited
Effusion Embolism home stream, immobility. Veins
Thrombosis adhesion phlebitis

^{so called}
^{passive}
Molochases of Embolus - is the formation of distant centres of disease by means of Emboli

Phlebotomy formation of Stenosis from Ven by Scler of
Ovaries

Cyanosis or Blue Disease cause Stenosis of Pulmonary Artery which prevents the free flow of blood

Ischaemia or Anaemia
Local Anaemia or Ischaemia the result of constriction of arteries usually or spasmodic or grad. & often accompanied by a Compensatory Hyperaemia

Local accumulation of blood in the result of Hyperaemia or Congestion the arteries are weakened & paralyzed -

Passive Hyperaemia
Passive Hyperaemia or Stagnation of blood. Active Hyperaemia or Fluxion
The anatomical features determine passive Hyperaemia shown by an increase in proportion to the propulsive force

Active Hypertension shows a decreased
The resistance in proportion to the pro-
pulsive force Passive has more
Venous Active more arterial
^{only they are} Excitability & Irritability are essentially
the same

Irritability & forms Functional & Nutritive
and Formative

Local Ischaemia or Anaemia
Local Ischaemia or Local Anaemia
Nervous System has something to do
with its Constitution if vessels take
place by Muscular & other Con-
persion Narcotics will produce all
functions are diminished Nutrition is diminished
we will then have a stiff of part
veins become congested part will become
blue - then have venous congestion

Hyperaemia

Local Accumulation of blood or Hyper-
The vessels are dilated circulation
becomes slower

Functional Irritability Contractor of Muscles
1. functional prime ^{it begins to melt} but in the best place

Dr. Chalmers
[Pachyderm]

In nutritive Irritability does not hang on the -
Formative Irritability, its Independent
Formative Irritability proliferation of cells in case
of nutrition takes place these are not bound to
the nervous system as Cartilage as the umbilical Cord
Inflammation

must not be considered as essential as fever -
Alteration of Structure is the most prominent
feature

Inflammatory Swimmers or Exudation
Cells nutritive change find it impossible to
a cloudy appearance of it ceases it can be
absorb its vessel & burst & throw out in
surrounding substance may undergo fatty degeneration
in time & so when they are absorbed new cells
are formed by Formative Irritability

Intercellular Substance fluids of Swimmers
Exudation / Serous Fibrous rich in cells
Pseudomembrane Septic Connective Tissue
Parechymatous + intercellular Part of
Sarcous abscess Cold abscess Angioma Abscess
Wound Subacute / agglutination
Exposure to the air - immediate Union
Cell destruction of such } Septic tissue abundant granulation

(Pathology)

Inflammatory Induration owing excess of serum
Softened due to infiltration of serum
Suppuration as a typical example of this
absorb

Inflammatory Hypertrophy
Inflammatory Hypertrophy excess of nutrition
of part (enlarged) increase of mass It
may undergo Atrophy much more frequent
as suppuration diminishes & nutrition of part
decrease of mass It may be replaced in
an organ by pressure. Real Atrophy occurs
consuming action of Fever

Inflammation Etologically considered as
Spontaneous genuine inflammation Sui generis
Rheumatic & prior to drop off as
articular rheumatism & Catarrhs

Traumatic as wound depends on extent of injury

Puerperal - as Child bed fever

Miasmatic as Malarial fever ^{morbic agent brought}

Toxic - Arsenic Drugs Arsenic Stychnine

Virulent - Chancre glanders -

Dyscrasic - Morbic agent development the

Septic - Tuberculous Scrofulous

26
^{Or changes in the blood vessels of the Cancer}
^{(Pathology of Change in the}
Cachectic Inflammation in special persons of special
Metastatic transfer of disease to another part
Hypostatic Inflammation as Pneumonia, depend
on depressed condition of system & causes of prostration
Heat produces Stasis

Ulceration & Gangrene
Ulceration and Gangrene not necessarily
connected with Inflammation consist
of a Molecular necrosis by which the
histological elements are destroyed.
Erosion

Erosion - Abasion of surface of skin casting
off the epithelium

Gangrene
Gangrene with or apparently no change of
structure found in Tubercle pneumoniae
The tissue is degenerated but does not change
softening without putrefaction as the Brain
The general body will have a tendency to
gangrene - any cancer will become necrotic
Styptic Contusion which patients are
ill by measles & diphtheria. Small
epidemic of Gangrene in the lower extremities.

17

~~Hæmorrhage~~ ~~is the escape of blood from~~
~~the blood vessels after rupture of its walls.~~
~~Ecdymose~~ In fact Extravasation of blood
in the cellular tissue In fact situated
deeply in a part. Hæmoptysis blood
from Lungs - Brumnerhage increase
of blood from Lungs Hæmatæmbly
men Metorrhage blood from uterus
Menorrhage increase of menes
Hæmatæmbly blood in Paracetamæ
Hæmatæmbly blood in Paracetamæ
Vomiting of blood Epistaxis bleeding
from nose Purpura blue under
the cuticle Cause Purpura Plethora Styfermia
or venous obstruction as appears new formation of masses in the circulation
suppression of habitual discharges Dropsey a Symptom not a disease
Dropsey consist of a morbid accumulation
of fluid derived from the blood serum
and located in various parts of the body
either interstitially or in cavities
Cause
Obstruction to the circulation is the most
usual cause of Dropsey Capillaries the
primary seat of natural transudation

Dr. ...
Part 1) ...
Part 2

Dropsy Hydrops Callosus Angedus
Dropsy Stenosis & Stenosis acute Chronic
a secondary affection Hydrops Lymphaticus
Sclerema Hydrops Lymphaticus contains fibrin
in the interstices of Sclerema occurs in Scarlet
fever. Death from Dropsy is caused from the
primitive disease which causes the Dropsy
Symptom of Sudden death is when the fluid is Red
according to the theory of Lieber

Pathology of Lungs

Thorax Cylindrical long narrow wedge shaped
in space. Masses of ordinary lung &
Emphysema or Tuberculosis -

Thorax like a shape

Thorax like a Ship Hull - signifies advanced
stage of Emphysema.

Thorax Barred

Thorax Barred Shape in the intercostal space
advanced stage of Tuberculosis

Thorax like a spoon

Thorax Scooped out advanced Phthisis
Pulmonalis

Dropsy from Cold must not be
considered a primitive disease

Respiration
Pachyderm?

Measure Cartilage 1st Rib in Man Museum
38 millimeter $\frac{1}{2}$ inch. Women 38 in m. Tubercu-
culosis, 33 in m. - Diagnosis of Tuberculosis
is narrowing up posterior Thorax - takes
of the lower portion -

Sounds which we have on percussion
over region over the Lung are (Two) (5)
Dull ^{2. Comp. with plain with} ^{ing. Dist. base of elasticity}
Clear non tympanic
Tympanic 3 Amphoric or Metallic
Cracked pot or Cracked Metallic

Resuscitation Sound

As Expiration
Breathing Sound Soft & Sharp or Rough S
Bronchial ^{whisper} ^{Brilliant} Amphoric. If fine Bronchial
Sound on left side of chest when the Bronchial
Tubes are not superficial it will be a normal
Sharp or Rough Sound - may have tubercular
or Emphysematous narrowing to smallest Bronchi
lungs about the heart Sound this Sound
when heard under clavicle either have
Pleuritic adhesion or Pneumonia -

Bronchial Sound - Caused by air dis-
posed surrounded by dense walls does
not matter if there is a cavity - whether
a Wall or a Cavity will have Bronchial

[illegible]

Genital Atrophy Emaciation Consumption less of
 narrow & white white system & a lot of times
 Marasmus Vagina Tubercles
 small of force Clotting Siccacy
 slow Progression increased new formation

Evolution Retrosession diminution in action
part Involution, Cause of ^{Local} Atrophy pressure
to disturb of blood inability to use the part.
Cause Ere Atrophy Cancer Malacia Typhus
Fever disturbance of innervation, we have degeneration
Means falling back of cells from ^{to} its function
Hatty degeneration Calcareous Colloid Amyletic
Colloid degeneration found in a cell agely look like
Substance burst the cell situated in proliferation of glands
They thrust Pituitary gland of brain Chord plus us of brain
Stripes Muscle of body & heart? Amyletic degen.
Starch like substance, waxy or Lardaceous or lacy
Iodine & Sulphuric acid act upon it have a
capsule around it call Cellulose (vegetable matter)
In the Albumen body but unaltered act Prothromb
of ^{Secreted} small artery muscular fibres become transparent
in arteries & veins inner cells become white

Hypertrophy ~~type~~ Increase of the size of the part or organs in which reside functional activity. Increase of nutrition also produces it. Hypertrophy increases new formations. It must consist in the specific elements of an organ ^{cells} shown by increase of volume - or the organ may be more actively engaged or given which Hypertrophy is a type is the muscle. Cause call degeneracy of the valves. Inflammation may produce it may be inherited (a Disturbance). A New Formation of ^{same kind} different tissue. Epithelial Malignant growths when superficial call Tumors - all bodies under growth regenerate - anything beyond this becomes Pathological a new formation of the same tissue an call Simple or Homologous ^{Benign or healthy} but when the new formation is different from the mother tissue call Heteropl or Heterologous - a malignant formation. In a word with look for the tissue which supports the tumor & divide into Stratoid tumor a single tissue Organoid this is character of cancer a layer full with cells Teratoid as described by T. as will find hair sweat glands & sebaceous follicles & sperm. Combination tumor made up of different tissues. One Physiological cells tumor have been found with the same a cell with both as in the 17th.

Chazal
Pathology

Mutual Growth acts upon Mother organs &
Neighboring organs - & general economy -
New formations of connective tissue tissue
which resist are Cartilage & yellow elastic tissue
then these new formations & often we have Cancer as
a Carcinoma tumor Cancer tubercles It may exist with
out affecting the system The blood may be come
dyscrasial Cause of new formations the predisposing
as Congenital as Cancer Leprosy Tuberculosis & Effluent
Sepsis in malarious more informative than is possible
epidemic may bring it on } Effluent Cause great
risk of blood to part as Hyperaemia This is
Mutual growth that is not composed of connective tissue
Common connective tissue ^{and solid} Fibrous ^{Solid or formless} and we have
tough very cross apply a static and which will
swell them how in a cell dominant loads like
a mass (a round cell) granules (fine form cell) a
stellate cell all connective tissue have 2
kinds Cells } Homogenous Connective tissue
same parent have around muscle fibrils
should Solid or formless are can Homogenous
is tissue exist in Embryo 3. Form of
Connective tissue formation
Regeneration Hypertrophy or induration

Connective tissue function - Marrow for
 Hyperplasia limited Molluscum + Keloids
 Lipoma - Extension in Elephantiasis of foot
 Fibroma (smaller than hard) differs in part of body myxomatous
 when it has fat call Lipomatous, Carcinomas as in
 Anomalous is soft. It may be transformed into a Sarcoma
 Myxoma (mucous growth) of mucous tissue
 the present in the cellular tissue has likely 3 cells
 of uniform blackish Myxoma Hyaline
 cells Myxoma Medullary Myxoma
 in Lipomatous Carcinomas
 Delicantostosis dilation of ducts results in
 the ducts of chrom call Hydatids
 new formation of neovascular or nerve Glap
 si. i.e. Hyperplasia in the brain. Circumscribed
 Glioma of the brain the disease occurs in
 long term new formation of fatty tissue diffuse
 Polysarcia Obesity - Circumscribed Lipoma
 new formation of bone Osteoclasts -
 Eburnation Bone - Formation
 Regeneration Hyperplasia (partial) of
 Hypertostosis the killing of bone Osteop
 a growth of bone growing without the
 Anomalous Eburnation a tumor of bone

Bone - Formation or New Growth } Osteones a new
formation of bone in any part of body - found in
valley of heart uterine ^{bone} ~~bone~~ }
connective tissue of the body, Extensor Durum
Spongiosum when contains spongy tissue, Medulla
Myeloides Extensor Cartilaginosus when
we have in surface of a bone, Cartilago
Extensor inside of bone may be Homoplastic
Heteroplastic Cartilago & Varieties
Formation of Cartilago has Cartilage Matter
Hyaline pure Cartilago may be developed
from Connective tissue ~~from~~ form
~~connective tissue~~ Hyaline form
cell have their capsule the small it thin
made up of cells have thin Rab - Fibrous cells
in within the fibres never have a capsule find
fibrous Cartilage ^{Chondrine} ~~Chondrine~~ Cavity Reticulated
have sharp strat stiff fibres Epiglottis
gt gelatinous New formation of Cartilage may
be just thickening when grows from cartilage
call Ectochondrosar Eochondroma means
Heteroplastic growth Chondroma benign
Round smooth Calcification may take place
Enchondroma takes place in the young might
be stone to cystic or the two places the Fibrous

Osteoid Chondroma found around the long bones. Large
Size means it forms by small spots and assumes the
form of structure may take a malignant or Cancerous
form of New Formation of Epidermis & Epithel
all portions of mucous membranes when exposed
is converted into Epidermis as Uterus & Anus
have Stomach growing on the skin heart & head of the
proliferation of the skin proper? Muscular Fibre
effect of Stripped Skin Stripped a Padder. Intestine &
proliferate the skin never form a complete tumor or
unstripped becomes hypertrophy as ~~at~~ atem in paper
Myoma (Lecomyoma) Formation of Nerve
fibres will take place from the nuclei of nerve
Sentinel Nerve is Capable of Regeneration. There
is a ~~in~~ it can be hyper trophied Neuroma
Nerve give to a tumor of nerve as in the
wound ^{as healing of wound} Formation of Osseous Angioma
Capillary as a tumor Congenital Head thick
call in the marks tumor. Cavernous, venous
characteristic in the tissue Arterial
bundles in Temporal & occipital region
Lymphatic formation - found in skin
under tongue Papilloma a tumor
formed from the papilla of skin

Papilloma - either Hard or Soft warts
Condyloma i.e. foetus of skin is Soft Soft
the more Vascular (Villous tumor & i.e.
mucous Membrane of intestine & folds of
Vaginae they may be transformed into Malignant
growths. They all consist of single
or branches of connective tissue (stems) more
or less Vascular covered with more layer
of Epithelium. (Cysts are composed of a
closed fibrous sack lined with
epithelium. The contents are products
of the sack and Epithelium Cyst may
be entire of new formation. Exudation contents
in the cavity are various cells may be Metamorphosed
Cysts divided into according to its
contents & its origin. Cystoid composed
of many Cysts contents of the cyst are either
off epithelium or fatty degeneration Serum
Cysts due to normal parts Ganglia Cyst
find collection of fluid by tendon sheath
Contents Serum - Speculum seen two belonging
to the part Blood Cysts may be secondary & primary
Dermoid Cyst a fibrous sack
Contents hair - Sebaceous gland

Atheroma dilation of Hair Sacks It's wall
are great number sebaceous follicles - Contents
epithelium cast off fatty cells will have
hair & cholesterol situation about hair cell Ten
Retention Cysts when one of the 13 cells does
are occluded & contains are retain
Proliferous Cysts when Cysts proliferate to form
Cysts may grow large but will not grow into
injury Cysts undergoes degeneration as Calcification
or ossified

Tubercle - proliferation of ^{1. Tissue cells} connective
Composed of lymphoid cells $\frac{1}{400}$ to $\frac{1}{1000}$ in
meter in diameter derived mostly from
connective tissue cells - and invariably
tending to cheese like atrophy (Grey
Tubercle Yellow Tubercle) Each
nodule of a tubercle is unvascular

Tubercle size variable from a millet seed to
larger size, they undergo cheese atrophy
central nodule * nodules under microscope
will find clear - in a nodule no traces
of vessels cheese degenerate call Tubercle

Sarcoma is a new formation The tissue of which belongs to the connective tissue group and is distinguishable from them only by an increase in the number & size of the cells. The nuclei & nucleoli being generally relatively larger. Sarcoma always differs by between the cells have an intercellular substance may be fibrous granulated find it in the Melanoma or soft kinds they may become Calcified or ossification always has vessels when vessels many kind (Sarcoma Telangiectodes) In the beginning it the single Capsulation in its high texture have secondary nodules on skin Thinner assume the polypiform form or fungoid. Hard & Soft Sarcoma softening due to richness of vessels & abundance of cells under the skin - primary tumor in gums call Epulis (Cancer affected the system through the Lymphatic gland) (Sarcoma affected the system without Lymphatic gland being affected) (Sarcoma painful) (Cancer painful) The most dangerous Sarcoma is the small one which contains small cells might be taken for granulation cells.

Sarcoma or Cancer essentially composed of
cells without demonstrated intercellular
substance enclosed within an alveoli
Hard forms Schneibius. fibro Carcinoma
Chondroma Basoma. Soft Medullary -
Encephaloid Carcinoma Teleangiectic
^{fungus like} fungus ^{like} hematoma may exist in all parts
of the body except the inner coat of ^{arteries} ~~veins~~
^{primary} Uterus ^{cancer} pancreas Heart Lymphatic glands
Liver Stomach and the Bladder
Orary Salivary glands veins are seldom
affected, ^{get color from adjacent} Melanotic Cancer ⁱⁿ Cervix ⁱⁿ Uterus
Secondary Cancer takes the Lymphatic glands first
Cancer Circumscribed + Diffused find it Interstices
or hollow organs Hard Cancer gray hard Crest
character no milky fluid a keratin Hard
grow slow Hard in Stomach & Heart milky
fluid under microscope made up of cells
with some alveoli $\frac{1}{2}$ to $\frac{1}{10}$ in the Cancer cells
Lymphatic have been found in Cancer Starts
from Connecting tissue Suppuration in
Cancer quite rare - Ulceration Common

Dr. Chas. L.
Barnes 1895

Hygiene is that science which promotes the general health of individuals + treats of prevention + promotion of health Private + Public Hygiene studies the climate clothes also functions of man which studies the secretions + the skin Passives are independent or organized being which stand in need of another organized being which stand in need of another organism either animal or vegetable or within which they located themselves temporarily or a life time + at which it passes the fecal mass + propagates Parasites 2 classes those who live on parasites + those who live on animals from Hypoparasites are those who live on vegetables for a the egg which contains the embryo is a parasite on man which contains in the intestines the Trichina spiralis lives in cellular tissue The head larvae will live only on the man. The 13rd the capstolis come from the Hog. The Trichina spiralis These animals have claws + bristles to hold on with

Entozoa either Infusoria or Worms
 Epezoa have principle articulated ^{Line} structures
 Infusoria (Trichomonas vaginalis) in
 vagina + Blennorrhoe, Worms 2 Class flat
 or Round + Thruad Flat Platydes Nemato
 des round or Thruad worm Cestodes a few
 (tapeworms 2 Class) (Tenuis Tape Worm)
 Bothrocephalids, dromo. imperfect animal
 call Scolop. head or head of a worm.
 joint of Tape worm call proglottis a perfect
 worm & Tape worm joints are a mass
 of worms { 2 to 3 ^{young} ^{as in young apterous} ^{as in young apterous}
 Taenia Solium has a head of a
 shape surrounded by 4 hollow suckers
 above them a proventriculus also 2 rows of hooks
 which the holes on this represent a im
 perfect worm. Development of Taenia just
 at the head it begins to grow first quite
 small - they become square shape & on
 each side a bulging take place which is the
 organs of generation Tape worms in joints
 Bothrocephalids Laetus In perfect animal
 2 grooves which divide its head has no stomach
 or mouth - has joint quite low but has an
 organ sensitive

50 chryso-
m. 1843

Bothrocephalus ^{found on} Stomach After ce
Cellar found in man hops • developed
same as Distoma Solomon 3 Layers to be
Distomum Hepaticum ^{or} black in Liver ^{2. brood} 1843 ⁱⁿ long 4-16
looks like a leaf Male Female in man found
in gall dust eggs in latter up by email
Distoma Haematous in blood body 5-8 ^{tail} in slug
in man in Vina Cana

Acanth Limbicade round round pointed at
both ends Male smallest 4 to 6 inch long
Female 5-12 inch long inhabits small in the time
of egg Terminatus Thin Worm 4-8 in long
Ischura Spinalis Female Large ^{very} early Port in man
Trocephalus Thin head in Acum ^{intestine} stomach
Anchyl ter Tom Duodenal in egypt Suck blood
Helas Medicinus Guinea Worm 5 to 2 feet
Strongylus gigas 10+12 inches
Ammonia ^{have} joint

Acanth Scabid - Male Female 14 feet long
Acanth Colliculorum Situation follicles to the
Peduncles Capitis Head like vestiment body
Pharynx Pubis Crab like Pandemic
Endemic Epidermic

Epidemic large number of men size
 call Pandemic Disease Endemic
 depends Upon Locality - Epidemic more
 extensive Large number due to Pandemic
Animal or Vegetable character fungus
 forms Latent Stage active temperature
 & Soil all contagious must not be
 clear Scarlet fever from poor things
 the air Contagion spreading due to
 confined to individual to his clothing
 secretion Malaria poison
 Yellow Fever Contagion due to man
 located itself between Cholera

28
J. H. Win. Alley

J. H.
John H. Win. Alley

The rent is

John Alvin Alley M.D.

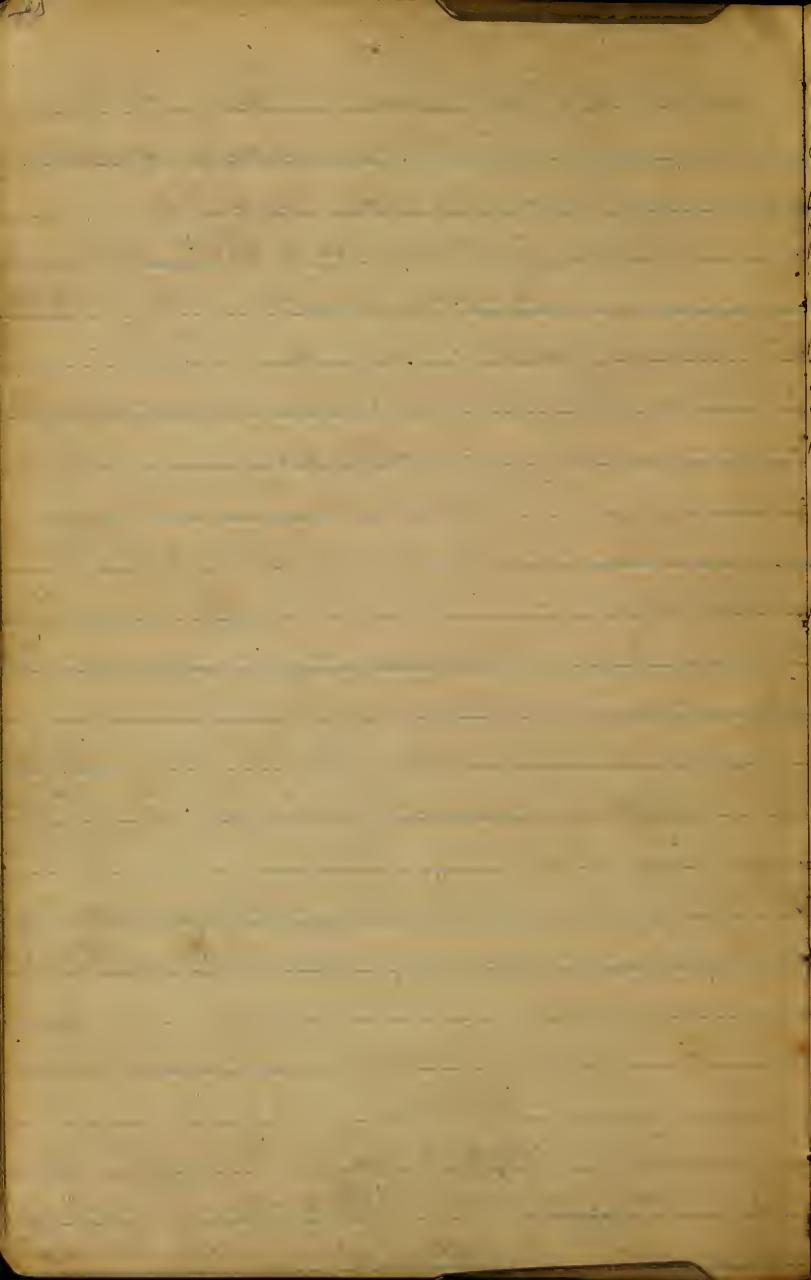
The heart is a hollow
muscle

A. Ramon M.D.

The heart is a hollow muscular
or

abcdfgh

My dear Sir
Yours of the 19th came
daily - to hand



Pelvis divided into true or false by The
Ileo pectineal Line, 4 Bones Sacrum Pubis
Coccyx & osse Innominate. all below
The Ileo pectineal Line are ~~false~~ ^{true} pelvis —
Diameters of Pelvis Superior Strait

Diameters of Pelvis Superior Strait —
Antero-Posterior Dia $4\frac{1}{2}$ inches } Transverse Dia
 $4\frac{1}{2}$ — } Oblique Diameter 5 inches —
Diameters of Inferior Strait

Diameters of Inferior Strait Anterior
Posterior $4\frac{1}{2}$ } Transverse Dia 4 +
Oblique $4\frac{1}{2}$ to 5 inches —

Axis Excavation

Axis of Excavation, A Line from Pubis
to Promontory is Plane Superior Strait
Axis of Excavation is a line down from Promontory of Sacrum
to Pubis
Plane Inferior Strait Line down from
Coccyx to Pubis Plane Inferior Strait

External Organs Generation Stand Bartholine
Uterus &

Uterus & its appendages Ovary Ligament
Anterior & posterior & Broad & Round
Ligaments are all reflection of Peritoneum

42 Dr. Ross
Metcalf

Discharge from Cervix of uterus are of
Albuminous character + alkaline reac-
tion. Vagina, Acid reaction owing to
the epithelial cells - Puberty -

Puberty take place 15 years old
Menses

Menses is that function
which matures the Egg + its escape
from the ovarian vesicle, + its expulsion
every 28 days - Ovarian influence
sustains Placental circulation 40 years
Fecundation

Fecundation, means Impregnation takes
place 70 days after Menses

Fecundation Means the act by which
the Sperm comes in contact with the
Ovules

Conception is the fusion of the impregnated
ovum + Sperm + formation of zygote

Placenta

Placenta can be fix at any part of uterus
decidua Refers to the surrounding the ovum + the
the 100 parts of the Cord + the Membranes
of the fetus

^{manipulating}
Placenta Formation, is nothing more than
an aggration of great many Ootyledons
together divided into maternal & fetal
Placenta.

^{Pregnancy}
Pregnancy Signs & Signs of Sound of
Fetal Circulation & Movements of
Child in Utero.

^{Expectation}
Duration Pregnancy 280 10 Lunar Mon.
or 40 weeks, to compute the time of
pregnancy add 3 Mos. back & also add
7 days - also there are a general
Genius & Language
Placenta

Placenta Form from Allantois & also from the
penetration of the Villi of Chorion into the
Tubuli of Decidua -

^{Fetal Circulation}
Fetal Circulation blood passes from umbilical
veins to the Liver where parts goes to Venae
portae & Vena Cava goes to right Auricle
from right Auricle to right ventricle & sent goes
to left Auricle & then to brain & other parts which

Dr Roberts, Esq

Midwifery

Parulation or Labor. means to bring forth -

~~Causes~~ a regular established generic form of midwifery

Presentation

Presentation - 2 Cephalic + 2 Pelvic

Position Child Head

Position Head - 1st vertex to left forehead to right

Sacrum, 2nd - vertex right + forehead Left Sacrum

3rd vertex pubis or front -

Pelvic position Sacrum left { Sacrum right Sacrum Pubis Sacrum

Promontory { (Hac right) { Hac Left

Diameter child Head

Child Head Diameter Occiput frontal 5 inches Occiput

Mental 4. inches - Biparietal or Transverse 3 1/2 inches

Mechanism of Labor

Mechanism of Labour is the movements + changes which child Head goes while in the uterus for its birth H & Lax

1st Flexion - uterus passes on the back of the

Extension Descent Rotation + Retraction

Mechanism of the Pelvis does not differ from Cephalic presentation

Stages of Labour

Labor - Preliminary, Supplicatory

Excitation Propulsion + Expulsion

Robertson
(Mumfery)

Conduct of Labor - Put the patient on
her back to Right Side of bed.

Dress Navel

Dress Navel by Cotton & then apply
bellyband do not remove it until 5
days - wait 1 hour for the placenta
to come off if it does come by that
time overcome contractions of uterus
by inserting the fingers into the os
and overcome contractions.

Hourglass Contraction

Hourglass Contraction of uterus
means contraction of uterus in the
middle. Give Chloroform + over
come contractions by insertion of the
fingers - into ~~uterus~~ uterus

Superfollation

Superfollation means Conception of
two foetus at one Copulation

Superfecundation

Superfecundation Ventricle contracts
blood to pulmonary artery put gas to
lung that goes to Ductus Arteriosus
will close

Post Partum Hemorrhage - Take place between
 the birth of child & Expulsion of Placenta -
 will find The patient features Cold flaccid
 & thence pale - with a copious stream of
 blood from uterus - she complains of bleeding
 noises in her head as five bells ringing
 treatment, place your hand upon the
 the seat of uterus, apply the Cold water
 on a stum to the abdomen of that
 fail carry your hand to uterus & try cause
 contraction - if that fail feel for the
 abdominal Aorta & compress it -
 give Opium Ergot in large doses -
 turn out all the Clots - also try the
 Electro Magnets battery

Lochia

Lochia some women have it 3 days 1 week
 & 3 weeks just Color Red then a light
 color and then it assumes the color of the
 water. Never let a woman sit up in a
 horizontal position because Syncope or
 fainting will take place & produce
 Heart Clots in the heart which will
 kill her - Pay the patient a visit

after labour after a few hours as that
the doctor might see if any change
has taken place - if further take
place give whiskey brandy & dry
after labour give warm dose of
Castor oil & Turpentine - place
towels or piece of cloth to catch
discharges from Vagina. Never let
the patient hold her water longer than
5 or 6 hours. Soe nipples use Tannin
or Cut out Nut Galls & put them in Alcohol - apply
them to the nipples - If patient has no nipples
one by introducing a bottle mouth by heating the
bottle

Mammary Abscess
Mammary Abscess depends upon the Suck
of the Milk. Suck which will give Abscess
always examined the infant after birth
to see if any deformities exist as opening
anus, occlusion of vagina have cleft
palate

Preternatural Labour
Preternatural Labour cases -
Rigidity of Os uteri never let it remain
longer than 12 hours Treatment Medicinal & Sa

Dr. Keble
Medicines

Extraneous Labor 3 One still which the
Labour cannot be completed without mechanical
assistance - 1st ^{Cause} Rigidity of Uterine Opium
Chloroform also by introducing Barnes
Dilator. Spontaneous evolution is
where the child impinges on some portion
of Pelvis - & & The Spontaneous efforts
of uterus need cause its birth

Parturition is a proposition in Dynamics ^{Concise}
2nd 3rd ^{Always} ^{Reason} Matters 1st Child in uterus & 2nd The Canal
things which the Child has to pass, 3rd Force
by which the Child is to be expelled
Version or Turning

Version is a means to bring a child
into a position into a normal one divided (2)
into Version by Cephalic & perineal & Breech
give Chloroform by all means in order that the child
proceed to Version after the completion of the
5th stage at the 3rd stage. Reason is to prevent the
the child's head impinging upon the
the 2nd Uterine Opium also before the
before the capture of the child
Barnes & the 1st Uterine Opium

Instrumental Labour ^(midwifery) Version The Brachial
operation is the insertion of two fingers into the vagina
while the other hand is placed upon the abdomen
when the hand present passed feet
around & keep it there. place woman
always under chloroform. If the Bag
of water is not ruptured carry your
hand up before you rupture the membrane
the os must be dilated or dilatable & the
completion of 1st Stage before we resort to Force
Version or Turning &

Instrumental Labour

Means when the child is unable to be born by
the natural powers of the Mother or malformation
of Pelvis divided into 1st Division are those
Instruments which are used for the safety of the child
without damage to the Mother. 2nd Division are those
Instruments which are used on the child for its
reduction 3rd are Instruments which are used
upon the Mother for the safety of Mother
4th Div are those Instruments which will induce
the natural Labour - owing to some derangement
of the pelvis - Forceps & such like to operate
S. B. & Co. 115 N. 3rd St. N. Y. City

Joseph Dr Robinson) can be used at Sup. ...
 Pelvic Strait Excavation & cut. of Pelvis
 Joseph to be used in the Superior Strait. 2nd
 Excavation before Rotation has taken place
 3rd The Excavation after the head has
 rotated & in getting of the soft parts the forceps
 should be applied to pelvic side & sides
 of child's head Introduce male blade with
 screw in it or left hand first into the uterus & then
 take the forceps of the child's head after they have been
 applied; if the water runs away the os
 is not ... & by the use of all means Dr Robt
 says use the forceps but use care to overcome the
 contraction. The forceps must always be applied
 to the Occiput instead of summit of child's
 head

Deformities Of Pelvis

Deformities of Pelvis Causes Rickets Softening of Bones
 want of Calcareous material Scrophulous thickening
 Exostosis Enchondroma - Diagnosis of these Deformities
 Use the finger to the different diameters of the
 Pelvis - or measure the pelvis from one station
 point to another - pelvimeter measure of
 the Pelvis - Use Craniometer a ...

Miss
[The midwife]

Impacted Head is when the head is driven down
& the tissue (surrounding) are swollen & tumefied
never let the first Stage of Labour exceed 42 hours
either introduce the forceps or Perforator or Crutcher
after all operations by means of Instrument
always the patient 2gr Solid Opium
50 grs of Sweet Opium when the child has
ascended the uterus with right hand presenting
outside of the utra after trying 1g Venous & if
not successfully vesicated the child —

Prolapsed Labour
Induction Prolapsed Labour proceeds
by using Egg introduced & even d
& punctured Membranes — Sponges
Ven? To dilate the os when the
child is not born in 2 or 3 weeks Caesarian Operation
3 inches may be delivered at 8 months by forceps
when the Head presents with one arm port
place forceps side of Head & between the arms
pull & deliver

Prolapses of Funis
Take a piece of Cloth & make 2 pockets
& put a round the Cord & take away
the Cord & the child is dead &

Dr Robinson
[misapprehension]

Inversion Uterus It occurs Spontaneously or by pulling on
the Cord of a physician - has a case like this he must not
be blamed

Hæmorrhage from Uterus

Puerperal Hæmorrhage divided into 3. classes -
before ^{Ante partum} labor during Labor + after Partu post
partum Concealed or Accidental Hæmorrhage -

Hæmorrhage arising from placenta perine
Abortion takes place before the Child becomes
viable at 4 1/2 months after 4 months will promote
Birth; ~~months~~ Abortion takes place often at 3 to 4
months Hæmorrhage from abortion is checked
treatment when to save the Child give the
following R^x Sulphate Magnesia ʒij Acet Sul
acid ʒi Water ʒvi, to clear out the bowels
+ try to arrest the flow of blood. Syphilis
may produce abortion, Lactation or Nursing
the Child will bring it on -

Accidental Hæmorrhage - or Placenta
Causes not known - arises from some detachment of Placenta
which leaves the Blood vessels Patulous Symp
ptoms. Continued Pale or white from loss of blood -
tendency to fainting If the ~~as~~ is Regia cannot
dilated as dilatation & if it becomes dilated
use the forceps - take Child away

Dr Robert
Meddiffe

Pumpkin Convolutions eyes will be fixed
a peculiar sound like hissing steam
with bloody froth escaping from mouth
the whole Muscular System will be thrown
into spasm - Darker the blood more
faint the system darker & blacker the
Countenance good signs of recovery Cause
eccentric & eccentric upon the Nervous System
Eccentric Cause is impacted feces Strangury
Blood & indigestion in Stomach & all the system
will bring in Reflex action which will produce
pumpkin Convolutions also Albuminuria
urine - produced by pressure on Renal Tissue
which produces Albuminuria in Urine Cause
also hyperaemia of blood as the Lumen Salts
in the blood (Purpura) will always have it more
than Muteism - owing that uterus & its appen-
dages are Rigid & press upon the Renal plexus &
thus produce Albuminuria in the
urine - Progress - favorable according to
disent of Symptoms, Treatment Purgative
Grapes & Lemon for Edema
of limbs Nail driven in her head & eyes
closed - Give Purgative & Castor Oil & Koddin

Principal Convulsion, Treatment, Salap & Clean
 Venous section of Patient is Plaster, a or Congestion
 of brain blood patient to lessen the movement
 of heart action "Bleed during a Convulsion"
 Of Convulsion depends upon In regulated food
 Give Emetic & no Opium during In
 tenses of Convulsion also Give Opium & Taste
 88 emetic Aquacinnam 3 ℥ Tablet 3
 times a day (R Tartar Emetic 50 ℥ Tinct Op
 50 ℥ Aquacinnam 3 ℥ ℥) If the treatment
 has fail to control the Convulsion placed
 the patient under Chloroform Case at beginning
 of Labour Give R Colomet 50 ℥ & Butter to
 revive the alimentary Canal Give Chloro
 in these Case to control part given in all
 cases when the head presents without any obstruction along
 applied the force immediately Bleed the whole
 Sub Pubic region

Principal Fever or chud bisha
 Divided into Sporadic & Endemic
 Cause unknown Supposed to be blood
 poisoning or Zymotic Cause transmit
 from person to person Post Mortem examination

Dr Robertson
(Midwifery)

Puerperal Fever Symptoms generally begin 2 or 3 days
after delivery patient will have a chill or Rigors
Physician must become watchful when reaction
disappears pulse will be hard full & bounding These
are the symptoms which begin puerperal Fever Nausea
& heat of skin & pungent; If pressure be made
upon abdomen will give pain & flush from
the face will arise from Pubis to Hypogastrium
region the patient will stretch her legs she will
complain of pain & rather draw them up. These
by 4 or 6 hours these symptoms re-appear will be
Thoracic & mediastinal signs Abdomen
Respiration will have emulation when drinks
taken in Stomach will be soon vom-
ited will have cessation of all pain
respiration grows shorter & hard will be
much chills will be flush over chest
will have red spot. Cornea of eye glazy
Call 3 Stages Typhoid Abdomen will
be swollen pulse 120 + 140 - before death
will have haemorrhage a dark green in body
tuff of a effusion & small line Cervix
will be red & glazing The stomach
distended more or less the same

Purpial from treatment of patient is not built
 no signs of debility must seek her 8 hours
 after she has taken sick bleed her freely
 until syncope comes on, Leeches - a scrub
 to abdomen - (Acetate of Mercuric Tinct) 100
 2 gts every 2 hours never increased more 5 gts
 are then resorted to in inflammatory stage
 give (Styony chlo nit 80 x Pulvis Doveri 100
 1-0 grs (This gives Saline Cathartics to cleanse
 the alimentary canal) R. Calomel 28 grs
 Opium 1/2 every 3 hours + Blester large
 give large doses of opium

Disorders of Menstruation

Amenorrhoea absent of menses Menorrhagia
 excess of menses Dysmenorrhoea - difficult
 Menstruation

menorrhagia increased flow of Menses
 divided into 2 kinds 1st local 2nd Constitutional
 Cause of local 1st kind
 affected uterine condition
 Menorrhagia causes plethora - Ovaries
 condition give from proportion Indian Hemp
 Ergot. Sigatoka 43 Cold of the floor of
 come from the heat with a purp. bleed the

58 Dr. Polak's
 1. Menstruation
 Dysmenorrhea or difficult Menstruation divided
 into 2 kinds Pain & Uterine Dysmenorrhea some
 times arising with run into uterine & vice versa
 Uterine ^{*} Neuralgic, ^{*} Congestive ^{3rd} Dysmenorrhea
^{4th} Cont. Rheumatic ^{5th} Organic & Membranous ^{6th}
Obstructive, Dysmenorrhea. Causes of these different
 kinds of Dysmenorrhea Cause 1st That condition
 of system which caused neuralgia 2nd Due to Congestion
 3rd Inflammation connected with Catarrhus 4th Time Labor
 made Cont. or Rheumatic diathesis, 5th from uterine organ
 affected as tumors Polyps, & owing to Membrane
 7th may be class under certain conditions of uterus
 as abnormal Condition of the tissue due to —
 occlusion of os Treatment Palatine which
 relieved the patient during paroxysm —
 1st ~~internal~~ ^{external} sovereign pain relieves any one give Hot
bath or entire Warm bath also give Althoea
Opia ^{1gr} + Campbor ^{2gr}. Rt Opium grs Campbor
2gr every hour or half hour until relief
also clothe the part with Indian Hemp Belladonna
Chloroform if pain run arise re may apply
Luchs Gouty case Ammoniacum 1 2 4
Guaiacum & Bismuth Potash Cup ver
Sacrum — Intergate Constitution

John
Midwinter

Treatment. Sympneura have critical
harm or benign Crisis instead of
being transverse will be a small round
hole. use Cutting Instruments often
use Perforated Disc on probing
& applied to the deep vessels appear
Spring tent let it remain for 24 hours
use a pessary in case any prolapse
of uterus. This might give peritonitis
or cellulitis — treatment immediately
Membranous Sympneura the condition
of interior of is treatment give
Chloroform during part of treatment
interior of ~~os~~ with Vibrator of Silver
General Constitution

Plegmesia Dolens

Swelling of Legs in Puerperal Women
Caused by inflammation
of femoral Veins or Inflammation
of Femoral Veins
Symptoms pain about the Thighs
Legs hot swelling tense Shiny
Treatment same as Midwinter to Knees

Dr Robt

Manchester

Plegmies Stenosis Treatment The blood
from coagulating such a Enthesis &
saline Bath Keen to grow as
in Plethra & act upon general Cir-
culation Local treatment and
Tincture & Bleeding whole & part
of vein & bandage - to promote
Absorption

St. Leonard
The clergyman

87

Dr. J. Adams
Practical Medicine

Fever — Increased Heat. Cause
unknown. Fever — Forming Stage
Cold Hot & sweating. Divided into
General & Local — Remittent & Inter-
mit — Continued Fevers viz Typhoid &
Typhus — & Malarial Fever. Febris
Intermittent — quotidian — every day 24
Hours. Tertian — every other day 36 Hours
Quartan — every fourth day or 72 Hours
Cold Hot & sweating stage to these
Fever. Masked Intermittent as
neuralgia — e.g. tooth pain
Stomach Cramps — Pericoronitis or
Congestive Febris Intermittens
Malarial — unknown condition of —
atmosphere.

Complications Febris Intermittens
Complications Febris Intermittent are
Brain Lungs & Spleen Stomach
Liver. Kidneys Intestines —
Congestive Type.
Congestive forms are Epileptic
Hypertrophic — & gastro enteric.

Dr. E. C. ...
Prater's ...

Malarial Causes unknown located in High
as well Low Lands. Treatment Intermittent
Cold Stage give warm drinks or Ammonia
hot & Opium Hot Stage Cold accumulate
drinks sweating Stage give vegetable
to patient Congestive type Heber's Intermittent
give Chloroform, $\frac{1}{2}$ $\frac{3}{4}$ friction Sulph Quina
& Opium ad gr 5 to $\frac{1}{8}$

Remittent Fever differs from Intermittent
by apyrexia being short ⁱⁿ Sub-Continuous
fever, but in Remittent fever no
apyrexia but a slight remission
if not turn favorable by 7 or 10 days
turns into Typhoid Malarial fever
occurs in the middle ground between continuous & intermittent
fevers

Yellow Fever, a Periodical or Continuous
fever with one Paroxysm, Broken
one form a Moderate type of
Yellow fever. Yellow fever
divided into 3 Stages
1st Stage that of Open excitement
begin with the feverish
sack as Headache pain Stomach

63
Sun
Dr. C. G. H. H. H.
Practice Medicine
Yellow Fever Stage pain in
Calves of Legs Lumbar region. Pains
or Cingulum type so called
Duration 5 to 7 days—
2nd Eye more or less injected pain
disturbance over epigastric region
of Stomach do not abate by 5
day look out for worse signs
The patient will talk on the
delirious state which is
manifested by total cessation
of all symptoms patient
imagines himself better. If you
place your hand extended
upon any part surface of the
body. The impression will be left
& flow of blood will take some
time to reach the surface upon
which the impression has been made

3 Stage Hemorrhagic Stage great
disturbance over region of Stomach
patient discharging a bloody mucus
The mucus is dark & thick in it

3. Stage Yellow Fever, Black vomit
burning Epistemon scales of mucus mucus
of stomachs with the broken down black
cells with their coloring matter + with
acid of stomachs produces the well
known Black vomit of Yellow fever

Cause of Yellow Fever unknown in India
better found + a depleted West Indian
Gulf of Mexico a great doubt as to
cause of Yellow fever as Dr Sidding
always says upon a report + Cities
never affected menses which menses the
sick as regards to Importation and
Contagion (Of this Endemic according
to Dr Sidding's theory) It is the
Self generation. (~~Not Contagious~~) It is
spontaneous as Typhoid fever Dr Sidding
says. He has seen one case pass from
to another does not believe in Contagion
Malaria no use

treatment of malarial
 treatment Yellow Fever during stage
 that of excitement when the symptoms
 are pain in head callos of lips
 Suproorbital also in lumbar region
 with hot skin pulse ranging from 100
 to 115 to 120 give Dr. Sydnor's Cold Bath
 grs x 1 1/2 x 1/2 Morphine and Camphor 1/4 to 1/8
 grs - also give stimulating enemata
 of turpentine + yolk of egg - Give
 piece of ice to quench thirst
 when skin very hot apply the
 patient down with cold water
 or Whiskey applied sinapiem to
 stomach + if gastric disturbances
 commenced give Morphine grs 1/4
 Alkal Camphor 3/4 or less
 say hour or two, watch the
 patient he may go in two 25 hrs
 that of delirious calm may take
 place about 24 30 or 40 hours
 but 5 day quench him by placing
 1/2 or 1 hand upon his feet
 or around convex part of body
 The compression of feet will be

08
Treatment Yellow Liver 2nd Stage
indications of approaching. Mis chief
or state of Black vomit when
these symptoms arise give Rx
Sim. Acacia 32 Cuscuta 32 x 4
3r. Aqua Camphora

Pathological Conditions of Urine & Liver
in Yellow Liver.

1st Urine quite scanty sometimes
altogether suppressed. The urine does not
eliminate the urea but collects
in the blood from by chemical
action Carb Ammonia which
poison blood poison & urine
poison. produce the following
Symptoms Lethargy Drowsiness
Delirium Stupor & Coma & profuse
Comma prognosis always fatal
will die, Urea being collected in the
blood which cannot be eliminated
by the kidneys.

Liver Yellow Atrophy looks like
greyish band colour

The Bile becomes broken down & disorganized
 with the loss acid of bile & under goes some
 what fatty degeneration, which collects
 in the blood & produces blood poison
 watch the patient in 25 days of supp
 of Black vomit arises from
 R. Croton gtt. x & Sine Alacim 3ii Opium
 Camphora. 3r & add Morphine 3r & 1/2
 support the strength of patient
 with beef essed Chicken Soup —
 give fresh cream suspended in 1/2 of
 Camphor or Aqua Calens

Typhus Fever Embracing Typhoid
 fever or Typhus Miasmaticus Recurrens
 relapsing fever — also Typhoid Pneumonia
 Word Typhus includes Asiatic Cholera &
 Oriental plague —

Typhus Fever properly so called is a ^{Exanthematic} febrile
 fever running a regular duration of 7 to 14
 days. Stages 1, 2, 3 7 to 14. 21 days —
 It takes a fever a prostration from it then
 a separation the patient

Typhoid fever, symptoms: Intense muscular
soreness, with headache, vomiting, pulse 100 to 120,
anorexia, scattered eruptions, Color of tongue
pale, a whitish flaccid papular patch
which gives it the name of Planket tongue
around the margin is long surrounded by
Erythema or less, infection sometimes
slacking together when asleep & arising
from the skin, it is important for him
to sleep alone, nose secretion become irritating
to the mucosa. Scanty stools collect about the
nose, temperature higher in the evening than
in the morning, Stage Eruptions, take place
about the 4th or 5th day. appearance of
eruption is a bright red color not elevated
above the skin resembles like red ink dots
appears upon the neck chest & abdomen
when present is more on than they are upon
but when the eruption reaches the 5 or 6 days
they become elevated from the skin &
pressure cannot erase them, End 14 days
Differential Diagnosis between Typhoid
Typhoid fever - (Pulse 100 7.8) Typhoid
red spots like ink.

Practice of Medicine
 Typhus Fever 2nd Stage Stage Nervous -
 will believe Coma up & back in
 socket, so des collect about The angle
 of Mouth, Picks at bed clothes, unconcerned
 any one near him fancies to himself
 some evil being done to him. Sometimes

Causes of Typhus Fever

Causes Typhus Fever Violated Atmosphere
 by person being too crowded together
 always Imported, highly contagious
 can be transmitted from person to
 person like of Heat & influence
 or Post mortem from families of
 the dead.

treatment Give no drastic Purgatives
 but some mild Cathartics as Castor
 Oil, & some refrigerant Decaphotics
 + Support The system by Stimulants

2nd Stage Typhus Fever

Typhus fever 2nd Stage Coma or
 Delirium Relaxes Thus by blister to nape of
 neck &c. as to reddens at the temples
 & posterior give Egg white Brandy & port
 Beef juice - Rubricin Champagne

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on Scars
Prater of Medicine
Typhoid Fever with Complication of Lung
all Typhoid Pneumonia in which
hives Stypostatic Congestion returns This
remains & Bleeding.

Typhoid Fever
Typhoid Fever Causes Same as Typhus
only more localized -

Stage 1st Lethargy Headache Anorexia
Nausea, Buzzing in ears, perverted
sensations. Tongue small pointed Red
& glossy - at the 1st week, & then
become dry - & have white Sordes about
mouth & angles of mouth also with
Sordes at the nose - Throat & Skin.
Hot & dry & pungent. - Eruption on
Skin & a dry in neck breast - Cloud

Peyer's patches of the Intestine say. have become
inflamed by a redness in the intestine which
become enlarged & injected with blood be-
cause of the peritonitis & produce a purulent
Hæmorrhage - give it a purulent & bloody
The ulceration of these glands will have the
will have a purulent secretion in the
Intestine & the blood

Pathology of Typhoid

Liver or Pathological Condition of Mesenteric
gland & Spleen in Typhoid Fever - we have
mesenteric gland enlarged - Sometimes the
Spleen becomes soft & filled with numerous blood

Relapsing or Recurrent Fever

Relapsing Recurrent or Remittent fever
with modification of great faculty of
Typhoid Fever. Duration 7 days
1 Stage Intense Muscular soreness violent
Headache, tenderness over Epigastrium
more or less vomiting & nausea. Skin hot
& dry - urine thick sometimes associated
with jaundice, eruption from 3 to 5 days
Treatment a purgative Cathartic & watch
the symptoms that may arise, support
the patient.

Local Diseases of Respiration of
Acute Laryngitis

Acute Chronic. Primary & Secondary
Chronic Laryngitis

Chronic Laryngitis - The mucous Membrane
is replaced & tinged with a dark brown
slate color. Mucous Membrane becomes
thickened with ulceration of the

Do not group
(Pulmonary disease)

Chronic Laryngitis, Mucous Membrane & ulceration extending even to the cartilage & the ulceration of mucous Membrane looks like polypos - They are pedunculated
Treatment Steam of Hot water Stupes of Sassafras to throat or spray of fine Group

Group Simple or Spasmodic or False Group
It is the Spasmodic origin or Local Affection
Treatment fine Emetic Heat & Cold to neck Membranous Group

Membranous Group or Group Laryngitis
false Membrane forms on the Larynx by the fibrin of blood & this not cured
Symptoms Labours Respiration Cough
Wet Cough & Effusion to Cough
fine Emetics Calomel Dover powder -
& apply leech & draw from lower part
sometimes with ulceration of
The Mucous Membrane & Cartilage

Proctid of the green

Bronchitis, Acute Chronic
Primary & Secondary - Inflammation
Mucous Membrane of bronchial tubes
Divided into Vesicular or Capillary
& Fatal Bronchitis Synpne &
Scrophulous - & Scrophulous Bronchitis
Spontaneous 1 Stage, Class - then 1 vessel
mucous, 2 opaque Class 1 & 2
Incoherent & 3 Mucous Synpne
Capillary Bronchitis The tubes become
clay like by plasticity of the cough
dry & ~~hard~~ hard. Depending upon
Position of Larynx & Neuroglandular
Nerve

Signs by which you can tell Bronchitis
are Vocal Friction by placing your hand
upon patient's chest an impulse will be
felt also will have Crepitant & Sub
Crepitant Rales also Ribitant & when
coughing in large &

treatment whole warm vapor of water, vinegar
Cure to throat give Expectorants
& clear out the bowels - give upon
Scrophulous Friction - all over

Dr. Gooding
Practice Medicine
Chronic Bronchitis sometimes brought on
by Scrophulous - Syphilitic & Exanthematic
we have no dullness or perspiration as
in Phthisis, sometimes we have a
copious & scanty expectoration & green
The case we have fever or febrile
disorder Treatment apply pectoral
Blisters small - Lotions of Croton
Oil Turpentine & other revulsives
agents. also give Expectants of Scilla
Sal & Trimmecan, & Croft Nutt
also give Cold Linen Oil in
Solution with Iodine or Iodid Potash
 $\frac{1}{2}$ 3 to 3 three times a day

Bronchial Hemorrhage
Bronchial Hemorrhage - may be caused
by Mechanical Means as Stricture of
Aorta, or some erosion of artery which
supplies it, or Organic changes in artery
may be come weak or constricted.
Symptoms are profuse such as taste
blood in mouth ~~constriction~~ constriction about
chest hurried respiration muffled
in sound & Singled pulences about 2

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(Pneumothorax)

Bronchial Haemoptysis, may be Arterial
or Venous, give Common Salt or Lead
& Opium of ice water

Pulmonary Apoplexy is the extravasation of
blood into the lungs & pneumonia the
clot or fibrin may undergo cheesy degeneration
which might cause Tubercles or Tubercular
matter to form in it

Treatment when mechanical obstructed by
Stenosis or insufficiency of the valves, give the
Cardiac Stimulants as Tinct. Digitalis &
Ventur. Vinol, in combination with Lead
Opium & Ipecac, If this fail give Common
Salt Ice & apply Cold to Chest Flying
Usters friction Cotton oil Emetics

Emphysema Vesicular Dilatation of the air cell
caused by Bronchitis or may be spontaneous
Symptoms oppression Respiration Cough etc
Boggy note Signs Bulging of chest -
Ribs bulging outwards giving the Thorax
a barrel shape - On Percussion sound clear
& resonant Resonance - Auscultation
may hear wheezing or rales

Vesicular Emphysema Rales, from minor lesion
Suggestive Vesicular Emphysema is Asthma
~~but~~ Low Emphysema Rales to the
Subcutaneous & Rales to the Chest

Interlobular

Interlobular Causes by Trauma or injury
as fracture of a Rib which compresses the
lung or allows air to enter the lung cells

Bronchial Emphysema

Bronchial Emphysema - Dilatation of Bronchial
Tubes - leads to oppression of Respiration
Symptoms of Percussion & Auscultation will
reveal the Sound of Bronchus & Plethory

^{Respiratory murmur}
First sign of Pneumonia
Pneumonia Inflammation of Entailed or
Lung tissue Primary or Secondary -
Stages 150

Stage 1st. Engorgement or Hypertrophic Condition
Lung engorged with mucus & fibrin
all Corapion Inflammation Cupetation

2nd Stage Red Hepatization
3rd Stage
4th Stage

1st Stage
2. Indication. *Indication* *Indication*
3. *Indication* *Indication* *Indication*

Pneumonia 3rd Stage gray Hepatization or
purulent ^{Infiltration} pneumonia Abscess rare but pain
dies aching not acute. Sputa at first
is like rust of Iron in it. 2nd Sputa
becomes thick & looks like Prunes juice
In this stage the blood & fibrin becomes broken
and form a cheesy looking mass which
might be mistaken for Tuberculosis

Symptoms Languid unexcited hurried
Respiration Cough with thick
Sputa

Treatment If patient present a flushed face
turgid eyes breathing somewhat increased & gray
use Bloodletting give Rx Calomel 2grs 1/2 Opium
2 grains powder every 2 hours also apply blister
also cold application by means of a wet
Sheet to Thorax - Murate Ammonia
Ext requires & Squibs to ~~deflate~~ deflate the
Blood.

Treatment Pneumonia
Give Stramonium & Bufusum

Interlobar pneumonia the fluidation becomes
organized & becomes dense & gelatinous & forms a
cherry looking mass which becomes consolidated
forms pericaps or cavity of suppuration

Pleurisy

Pleurisy Inflammation of Pleura either Serous
or Plastic Acute or Chronic Primary or Sec-
ondary as in pneumonia or Bronchitis. It is located in
between the two places & undergoes fatty Calcareous
degeneration. No true physical signs such
as Vocal Friction & Friction Sound produced
by Pleura Costal & Pleura Pulmonalis - which gives the
Friction Sound also in hand metacarpus &
acrophys - patient will also in the affected
side. Respiratory distress & hurried & labor
active lancinating pain in the region of affected
lung. The organs are more or less displaced
by the effusion, the intercostal space will be
widened & the lung will bulge out forming a round
in also will have Empyema treatment
Local & Systemic - Arterial - friction
Bleeding Tapping

Tuberculosis - We know our kind as in
Pneumonia of the disintegration of the fetsus which
undergoes a casey or only degeneration which
form a Tubercle but not a tubercle of phthisis
A true Tubercle is a gray semi transparent
homogeneous uncolored matter varying from
a pin to larger size, they form clusters
in the lung substance, which become brittle
& form Cast Lime & Phosphate Lime
Patients will be affected with Hectic Fever
will waste away Cancer de not known
depends upon some peculiar Quintessence
Diagnosis

Diagnosis - Superficial Aspect of Lungs is most
affected Cavities in Pneumonia Cavities to base
tuberculous Apex Side Inspection of chest flattened
Anterior & Posterior Lateral Dimensions increased
a Deformation Reform Suprascapular Intercostal of chest
nothing Pericardium & Pericardium signs we have
dulness on percussion, Corresponding location of
tubercles! We may have no dulness owing to the clear
air in Cavity Cavities Signs by Percussion are
a Slight Modification of the Vocal Murmur
which Expectoration is short unpleasant & Irregular

Septicæmia from Phages of Microbes.

Glossitis Inflammation lining mucous Mem.
of the mouth inflamed red - also have Aphthæ
When seen in Phages & all fever about 8. Some
of death of Patient a disease of the blood always a deadly
kind - Yellow Mucosa - 7.5 mites Camerum One
Tincture Acid Colic Ointment Mercury with
Chlorate Potass locally. Glossitis Inflam-
mation of Tongue may be Acute Chronic
or

Tonsillitis Inflammation of Tonsil. Exhalant
Chronic Hypertrophy Treatment Potassium
Antiseptics -

Cyanine Parotid Mumps Inflammation
of Parotid gland
Inflam

Septicæmia Inflammation Lacæ of Throat
Exudation of fibrin which forms a diph-
theritic Membrane Red granular white
Colours. Septicæmia Inflammation no disease
Scurvy & other things but a disease
Complication Diphtheria Parotid & PK
Diphtheria famous work is PK Mucosa
at the throat & other parts

D. Scott
Principles of Medicine

Septicæ support the strength of patient
by beef tea & Egg wine mixed Panada

Gastritis

Inflammation of Mucous Membrane
Stomach - Acute Chronic. Catarrhs
/ Compounds - variety. Ulceration in
patches - sometimes find Spontaneous
Ulceration of Stomach do not know
whether it the a post mortem or
Pathological Condition, Cause
Poison Corrosive Mineral Acid
any thing that excites the Effluvia
Treatment Mucous demulcent bland Milk
Milk Juice & Bismuth in large doses -
If you want it use Bismuthing Solution
Some Annals. Cit. of Bismuth. Also
Inferior agents to overcome Acidity
Perforating Ulcer of Stomach Disproportion
Inflammation of Epiploic tubercles on
surface lesser Curvature of stomach
causing pain in the back in 3 anns before
in number of cases. Treatment consisting of Stomach
in treatment give Mucous Panada 1/2 of
Margarita (Be) - Blood 1/2 of

~~Mucous Membrane of the Large Intestine~~
 (Pneumonia of the Large Intestine)

Enteritis Inflammation of mucous Membrane of
Sigmoid Intestine divided into several names
 according to seat of inflammation in the intestine
 Duodenitis Inflammation of Duodenum - caused
 by Indigestion of Food or Indigestible food & is well
 known by name Biliary Colic never gives
 any Indications as Carcinoma or paratyphoid
 Symptoms pain over epigastrium, vomiting
 intense pain, tenderness, Intestinal Bleeding
 General or Local eruptions, Blisters &
 give ice & acids written but be careful
 in using Drugs - Carcinoma give Opium
 freely - (Endoenteritis - Inflammation of
Cecum or Blind Gut & also very formidable
 Mucous membrane inflammation (very good in Southern
 Spain & Sicily) Cupping local. Keep the bowels open
 by chloroform Blisters over the point liable to perforate
 the thin abdomen which will give an artificial
 anus. Symptoms a circumscribed tumor fluctuating
 in right iliac fossa. will have Constipation
 of bowels & sometimes dysentery when outside of
 Gut will have pleurisy, Inflammation, will form a ^{abscess}
 which will point at the fissure which will be discharged & form
 an artificial anus.

Inflammation of Colon or Dysentery acute & chronic
Endemic or Epidemic. Cause Climate Malarial
temperature food drinks - home dysphoric dysentery
Symptoms gripping pain frequent stools bloody
mucous & formidous Scypha in dysentery is a
moderate condition of feces Stools like blood
must wash in water when occur unfading
infection Treatment Catarrh dysentery Sulf
Magnesia Tinct Opii R Sulf Magnesia ℥i -
Aqua ℥iii Tinct Opie ℥i + Some Animate
water as orange tea ^{in warm} spongers until frequent
liquida stools begin, after the evacuation of
the bowels in blood stools give Calomel ℥i Opie
℥ss - Opieas Calomel Opie After being with
starch in warm or cooling gums for Opieas
Starch & Pansin in rectum Treatment dysentery
give Opieas & Calomel Opiein large doses

Surgery

Inflammation — Is perverted Nutrition
 Local Signs Heat — most prominent
 Redness — Pain & Swelling Inflammation
 begins in the tissues — The red cells become
 a gluttonous mass — white cells become
 adherent — & shut us off from blood —
 Hyperaemia Active & passive. Red
 Corpuscles 300 = to 1 white

Inflammation, Causes Proximate
 which takes place in the tissues
 Predisposing & Exciting Causes
Treatment Direct & Indirect Local
 & general Blood letting, Counterirritant
 Purgatives Opiates Drastics
Fever in Inflammation are Asthenic or
 Inflammatory fever Slenetic or Typhoid
 fever & Slenetic fever or Slow Emaciation
 or debilitating fever.

Pus produced by proliferation of Connective
 tissue Corpuscles & Liquor Puris —

Abscesses. Acute & Chronic —
 Simple — Complete & Incomplete

Surgery

Vessels form by the rupture of its wall
 - The proliferation of its cells - at both
 ends meet together & form the new
 vessels This is the Method

Ulceration

Ulceration Molecular Death or Disin-
 tegration of its Tissues

Gangrene

Gangrene or Mortification Death in
 mass divided into Dry & Moist &
 sphacelus, & Senile Gangrene in old persons

A Syphilitic ulcer can be Diagnosis from
 a common ulcer is That one side of it heals
 while the other side continues unheal-
 This process goes on for some time —

Talipes, Club foot Talpis either
 acute or Chronic Canine Muscle,
 Contraction & paralysis - Talpis Equus
 heel is elevated & plantar muscles on toes
 Talpis in gus side of foot Talpis
 Calane walks on heel toes point to
 upward, Talpis valgus inside of

Contusion is a Subcutaneous laceration
wounds Ecchymosis, Hematomas
blood tumor, Wound is Solution &
Continuity of part. Incised Wound
Purison & Puncture Wound Gunshot
Animal Vegetable, Mineral Laceration.
Gaping to Incised wound retract
Hemorrhages remove all foreign bodies

Wound Heal attending
Wounds Heal by 1st attention Then place
Lymph, is exuded & the parts become
agglutinated, 2nd Intention

2nd Intention. Heals by Granulation
that is by Cells & Suppuration.

Gunshot Wound
Gunshot Wound - remove foreign bodies
Amputation Primary & Secondary
Purison Wound

Purison Wounds - Orifices Wounds -
Hydrophobia Dread of Aqua.
Gland - ulceration Scrimed Membranes
Farcy - Hard Lump on Arteries & Veins

Orinlock
(Surgery)

Amputation disease that affect the Stump
are acute Inflammation + Secondary Hemorrhage
+ Erysipelas + pyemia + Wound of Muscles
+ Spasm of the muscles.

Amputation, Special Lamey operation for
Shoulder joint a simple incision

Viskam operation dividing metatarsal from tarsal
Chopart

Chopart operation is done in the foot + leaving
the tarsus with oblique ligaments use a Small Scalpel
+ Symples

Small operation, taking foot off at the ankle
joint + sawing off the internal + External Malleoli
use a small knife

Clasp Joint
Lamb most Incontinent of urine + Anterior Spinal
process of ilium

Arrest of Hemorrhage - 1st by Position
Styptic as astringent Agent - 2nd by Silver
Actual Caustic, Pressure Ligation
When an artery is cut completely across
the internal thrombosis. Coth retreat

Hemorrhage - + external remain the same a plug of coagula or clot forms among the divided portion, which arrest the bleeding.

Secondary Hemorrhage - position Ligature Compress + Bandage.

Chedblain -

Perfor or Chedblain Produces by sudden alternation of heat + cold Symptoms swelling pain slight redness then purple become livid hum or bluish sometimes with vesication + ulceration

Throat Bites

When a part becomes frozen bitten the part become cold contracted pale + numb patient may die from coma it will lead on to Gangrene -

Furunculus or Boil

Anthrax or Carbuncle It is a circumscribed swelling with inflammation of the cellular tissue and skin flat spongy swelling lived + hard with dull burning pain + various in size + progress

Aneurism, Idiopathic or Traumatic

Ine- dilation of all coats } Shape a Cylindrical
B Fusiform } C Sacciiform-

2nd Fake. Rupture of all coats } Shape not uniform

3rd Mixed Sack form by only one or two coat rupture

4 External B Internal C Dissecting False or mixed

5 Cystic - (A Arterio Venous A Aneurism

B Varicose Aneurism) (C Cystic or knotted or

Arterial Varix is a knot or aneurism of an artery more

Aneurism - is a circumscribed dilation of an artery

communicating with a pulsation sack full with

blood

Idiopathic Aneurism from by the Atheromatous condition

or fatty degeneration & ossification & calcification

which causes an enlargement of the coats of the artery

will produce Idiopathic Aneurism This is a

Predisposing Cause

are sometimes by the contraction of its own walls

by Inflammation

Symptoms External & Internal

Symptoms, External: Pulsation size of tumor

fluctuation pressure on the artery will cause

enlarge it, Internal Symptoms humil

respiration. constriction about chest

Anæsem Tingling sensation of fin part
 of body & more or less uneasiness
 Differential Diagnosis all by pressure
 on the vessels it will be decided the pulsation
 will be confined to all portion of tumor or pumping
 motion

Cystic or knotted Anæsem or Anæsem by
 Arterioses Treatment friction compression
 Strangulated by means of ligature

Veins - may be inflamed - Atmospheric
 air will enter & produce the symptoms
 of distress vomiting violent Respiration
 tendency to Syncope - Veins about
 the neck - is most frequent - may have
 a churning motion which evinces that
 Strained over the heart

Varix - Dilatation of Vein - Hemorrhoids
 Varicocle

Fractures
 Fractures Simple or Complicated
 Complete or Incomplete Single or Multiple
 Transverse oblique Longitudinal Irregular

Fractures Cause Protrusions as fracture of the bone - Scrofula Strumous Syphilitic Diathesis or excessive earthy matter.

Exciting - Muscular Contraction blows - wounds or other traumatic injuries as old age.

Symptoms Denoting Alteration in Shape of Bone
Mobility in its Continuity, ¹ 2 3 in Crepitation

Fracture of the Olecranon process of Ulna never heal by bony union will have more or less a stiff joint.

Calculus

Bones united by Calculus - Provisional or permanent
Provisional Calculus forms outside & inside of the medullary canal. If Fracture unite with a Dislocation Reduce the dislocation first.

Knee Joint

Fracture Bone does not unite cause may be owing to a piece of bone or muscle of the apparatus becomes displaced.
Treatment - introduce a Seaton or vice the bone & reduce the fracture.

Special Fracture, about the
nasal Bone—Upper Jaw & Inferior
maxillary seldom fracture at the symphysis
but more frequent at the alveolar process
Fracture Condyle of Inferior maxillary bone
pain about the ear inwards & hind to open
the mouth Fractures of the Vertebrae dorsal
Region will result fatally 2 to 3 hours & lumbar prolapse
in several months & cervical almost immediately fatally
Fracture Clavicle at the Sternum & middle of
Acromion end may be displaced—when the fracture
of the clavicle the patient he will be deformed
about the clavicle always when fractured
there is no special apparatus for the fracture
myo bandage 2 hands in chest It is the Scapula
Fracture Acromion process the figure in the
use as inf. Coracoid Process muscle attaches the Coracoid Process
lateral motion & head of humerus Fracture Clavicle
Dorsal bandage the arm from above downwards
over some Muscles (Contractures) Dorsal bandage
Fracture Coracoid process also Brachiales
Anterior muscle is attached with Fracture
of Radius Ulna have no shortening owing
to the interosseous ligament which prevents it

Fracture about $2\frac{1}{2}$ from Styloid process of Radius
Known as Colles fracture Fracture Rib injury. Ribs
Anastomosis Pneumonia Empysemum Use a broad
Strip of adhesive plaster. Fracture Neck
of Femur 2 small Intracapsular & Extracapsular
in front of the Capsule Disjunct but can't
get fragments perfectly. The treatment of
Colles is shortening of limb 1 foot instead
healing from Anterior Spine process to
Nub of per border of Patella Canes divide in going
to the front or fall upon the foot from the a height turning
over in house Fracture Femur most common
about $3\frac{1}{2}$ to 4 inches from head Use Fracture
ing Splint Degenerative Symptoms below
Intra capsular fracture of Head of Femur - Synov
occurs in aged persons Shortening of limb
usually 2 inch by contraction of Gluteus Muscles
eversion of foot & Knee of great Rotation
Absence of pain want of Cupellation
Extra Capsular Fracture occurs in young
persons. Eversion of foot & Knee of
Patella may be fractured Transverse or
Longitudinal a little Patella Displacement

Infection of Ictia Tubula - by direct & indirect
Violence junction lower third is most common

Ligations of Arteries

Deligations of Radial Artery Guide are a line
middle of the bend of elbow to Styloid process of Radius
Long Supinator muscle divides Flexor Carpi Radialis
lies in the inner muscle septum, Brachial Artery lies
inner border of Biceps & Coraco Brachialis -

Resections of Elbow joint & Chinellus

Periosteitis - Inflammation of periosteum
deep pain swelling elbow Scapula
Supraclavicular Giv Bi Chloride Hydr
Iodine Iodine externally

Canis ulceration of bone or Molecular
death

Nervous

Death of bone - or death in marrow

Sequestrum disease bone - Cloac
Hole in bone Involucrum protract
Callus which holds the sequestrum
in the Cloaca

Rickets - arrest of development of Calca-
cium or maintained in bone. (Animal Matter)
predominates which bends the bone -

Sprain

When an articulation is rected or twisted
put limb in Hot water for 2 hours
to keep up the temperature or friction with
hands & oil gms Opium to relieve pain to
Keep patient constantly at rest use the
Cold & Hot Douche alternating & bandage
the limb with a bandage

Dislocation or Luxation is the

Displacement of a bone from its natural
Cavity may be Complete or Incomplete
or Partial may be complicated with
a fracture Traumatic & Pathological
Dislocation Cause ^{as Pott's} Muscular Contracture
Direct & Indirect { Diagnosis Symptoms
are Swelling - pain Ecchymosis Shortening
& elongation of limb Treatment Extension
& Counter extension after Reduction put the
limb up in a bandage use passive
motion

Dislocation of Vertebrae Cervicæ always associated with
Fracture Dislocation Shoulder joint - 2 way
under the acromion + without glenoid cavity
Symptoms flatness of joint by means of del-
toid muscle put in the stretch

Intracapsular Fracture of head of Humerus occurs
in old persons will have false joint +
ligamentous union (no bony union) patient
will be deformed shortening of limb extension
of joint treatment may be done and
long splint of Linster or dressed splint

Dislocation Elbow joint Known by its
brach of surface backwards outward
a dislocation of the joint + Tard 3 weeks
Can not be reduced occurs in young
subject (Chance) is hard + Severe
little pain seems (Chamrod) secrets freely
pain parient Dies

Dr. Keenock

Hernia Is the protrusion of intestine from its natural cavity. Differs in location as Inguinal direct & Indirect & Femoral. Reducible, Irreducible as a tumor or fistula may contain air & feces which prevents reduction, & incarcerated a fist. stage to Strangulation. Femoral belongs to women, Cause Pre-disposing such a Hernia may from Nausea to Sea anything that weakens the abdominal Muscles occupation left

Anatomy of Hernia Inguinal
Intestine Superficial Fascia Intercolic muscle
fascia Crurae muscle Transversalis fascia
Hernia Sack Proper part Ligament External
Oblique Muscle ant 2/3 of Crest of Ilium &
crest pubis forming Poupart Ligament as
these tendinous fibres approach the pubis they split
forming a triangular opening Call external
abdominal ring The edge of this ring Call
~~pelvic~~ pellicle or Column some transverse
fibres pierce the ring from splitting down over
sacral fascia Internal abdominal ring is
situated there Transversalis fascia cut off
In funde bulbiform or Internal spermatic
Cord

Shellock
[Surgery]

Hernia Anatomy Spaces between The internal
& external rings call Inguinal or abdominal
or spermatic Canal. Cremaster muscle
is the inferior edge of Internal oblique &
Transversalis muscle.

Intestine pass against The Peritoneum which
forms The hernial Sack. This oblique or
indirect inguinal hernia protrusion
take place internal abdominal ring.
The sack is covered with transversalis
Cremaster muscle & passing obliquely
down in femoral canal emerge at the
External abdominal ring where get
a covering of Superficial fascia & skin.

Direct Hernia gut protrudes at External
abdominal ring & does not pass
through. The Central covering are skin
Superficial fascia intercolumnar fascia
Common tendon of internal Oblique
muscle & Transversalis muscle form
the hernial Sack.

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Dr. Kneass
1 Surgeon
General Herina concerning an Integument
Superficial surface which forms the anal ring
Hæmorrhoids

Stone in Bladder Cut off Prostate
gland increased cannot pass cath
-eter or in ~~an~~ ~~in~~ ~~the~~ urethra used the

Col. Cass Dr. J. I. have taken the honor
and liberty of penning you a few
lines, hoping they shall find you as well.

I have taken the honor & liberty
of addressing ^{to you} you my object for
doing so is to ascertain some
information from you knowing
too well that your kind & generous
nature will always be willing
to give me such information and
am desirous of receiving ~~that~~
~~your~~ the information which I wish
to know from you is what is the

prospect & chances for a Young physician
in your City as I am very desirous of going
to the West as I find it ^{difficult} very hard to
get along here owing to so many
persons in the same profession as
myself and scarcity of money prevents
a great many from employing a
physician, and also my City having
undergo such a Radical change
as to its government & officers that
a white man find it impossible for
him to live where Negroes are
elevated above the colored man &
that Intellectually & Refinement
must be ruled & governed by Ignorance
& Stupidity and as I ~~can not~~
~~see~~ the future ^{here} is quite dark
before me I have resolved to leave
my native Home for ~~some distant~~
~~place~~ and try & seek one ~~more~~ ^{new} ~~more~~
stranger where I can breathe the air
of freedom & justice and as the
West offers inducements I have taken
this ^{kind} ~~house~~ ^{step} to commence

1022
to you on the subject ~~asking~~ and
would be pleased to know from
you what would be my prospects
to ~~the~~ practice medicine in the
City and if you ^{should} think my chances
in that line should not meet with
success. Whether I could obtain employ-
ment as a clerk in any branch of
business as I willing to work and
the only compensation I ask in return
is sufficient to clothe & board
myself as my means is quite limited
and I myself ~~lost~~ all I had
by the late disastrous war - as my
chief object is to settle west & live
by honest industry & indomitable
perseverance to rise once more -
Dear Col. you might think it
rather ^{an} strange in the manner
as which I have written to you
but being impressed with your
generosity and ~~thinking~~ ^{trusting} that you
will give me the necessary information
which I am desirous of obtaining

I have been induced under these circum-
stances to lay my petition before you
in an honest & candid manner
And ^{hoped} that you might be the —
means of obtaining employment
for me. If you think it advisable
for me to come I can bring unquestion-
able letters of recommendation as to my
character & standing & capability from
the most prominent citizens of
Charleston. I have not rec'd any
letters from you since you
left Charleston as you promised
me before you left you would
write me in reference to a book
which you would send on to
Prof. Holmes & Shepard I have
not seen Prof. Holmes for some
time. Prof. Shepard has gone
to England, ~~but~~ ^{where} he will remain
for some time Hoping your
visit to our City has amply
demonstrated you in your remarks
of Eglon and that I had

The honor of your acquaintance & also
the pleasure of ~~attending~~ associating
you, while in our city. My
regards to your son, and hope
it will find you in the
enjoyment of good health. For
scarce I ~~find~~ I will be under
lasting obligations to you if you
will please inform me at your
earliest convenience.

I am kind Sir
Very Respt
Yours
A R Delany

Col
James ~~Esq~~ Esq
Dayton Ohio
Care Esq & King

R

12/60
17/5

Blanc Potass 3i
Pulv Dover 3i

In Ft pulvis no xii

S one every 2 hours —
for diarrhoea & dysentery

Sheldon Alley M.D.
Charleston Medical
College State of South
Carolina 1868 —
The Honor Conferred
Upon Me

Cells - Have a vitæ property in their
nucleus - or protoplasmic. they prolif-
erate ^{by their vesicular activity} by the invagination of its basement
membrane - which separates it into many
Blood - Fibrin form - then Albumen
in Soluble form - Red Corpuscles
predominate Hematinic Iron in a
Metallic State which give color to
Blood - Red Cells 300 + to 1 white -

Circulation

Heart - Double organ Structure
Muscular right & left Ventricles
& Left & right Auricles or Systeme
Arterial or Pulmonar or Venous
Semilunar valves - in Aorta opening
Tricuspid Valves Atriculo Ventricular
Opening Systole & Diastole 3
interbeat Muscular Structure
Cordæ tendæ & Muscular Pectines
Sound of Heart 1 + 2 depend upon
action of the valves or Valvular action
Suspended by the Aorta & rest upon the
Diaphragm 2/3 entire weight of man
is water

Heart circulation does not depend
alone on the Heart but partly owing
to the elastic structure of Blood vessels
Pulse owing to elasticity of its structure
which elongates it It takes 60 seconds
or 1 minute for the blood to circulate

Respiration

Respiration is the function which naturally
adds some aerated material to the blood
Respiration Divided into abdominal
or diaphragmatic, + Super + infra
costal. Man Respires Abdominal
Women Thoracic. Test for Lungs
that have been aerated is The Hydro
static test that is lung will float
in water, + the other states the
lung will sink in water as still
born infants,

Vital Capacity of chest 230 Cubic
Inches - (5000 air cells will form
1000 square inches or 40 feet of surface
we have tidal air + Residual
air 16 inspiration in a minute

Physiology

Respiration Man. ~~Stays~~ & ~~py~~ incl
 high will gain 8 Cubic inches below
 this will find 8 Cubic inches,
 Residual air 100 Cubic inches Residual
 air 100 Breathing air 300 & Compl
 air 100 It is 330 in the lungs
 Air divided into Complementary & Residual
 & Tidal or Breathing Air 30 Cubic
 inches of air is expelled at every
 respiratory act, ^{or breaths} O₂ gas & Carbon
 acid gas found in free state in the
 lungs. Respiration is not a combustion
 but due to a vital process
 going on gases held in solution in
 the blood unite with Carbonic
 acid is in solution & O₂ gas but suppose
 held there by Carb Soda & thus the blood
 corpuscles which hold the gases in sol
 Arterial differs from Venous in that
 venous blood admits light through the
 small artery or coloring matter of the
 Carbonic acid is found from waste & in
 the separation of tissue or the Pulmonic Acid in
 combination with the Carbonate of Soda

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Digestion Function, Food divided into
nitrogenous & non nitrogenous, & Oxygenated
& Anoxic, & Amino

Teeth

Teeth 3 Substances dentine Ivory Crest
Pituita, Crown Neck & Fang produced
by Dentine Membrane 52 teeth Mandibular
lower, 32 permanent teeth

Milk Teeth ⁸ Incisors ⁷ Molars ¹¹ Canines 4
¹² Molars ¹⁰ Molars Total 20 Milk Temporary
Permanent Teeth Incisors 5 & 7 Canines 8 & 9
Canines 10-11 Molars 9+10 B 12+13

Molars 14+15+21 ¹² Molars ¹⁰ Molars Sublingual
Salivary gland 3 Parotid Sublingual
Submandibular - Saliva from Parotid is
thicker than that of any other gland contains
more water, 344 B

Saliva on Starch viz Sugar
Saliva acts on Starch converts it into Sugar
Emul Sugar

Digestion of food in Stomach 2 hours for
meals 2 hours after meals 2 hours
before meals - Saliva mingles with
mucus becomes Acid Saliva also by it

(Physiology)

Intestines } Duodenum 12 inches long like
Christine Hepatic Portum, Renal Portum &
Pancreatic Portum, Small Intestine has Villi
Lactae begin in Thrice, No absorption
Takes place in the Stomach.

Liver

Liver - Shape a segment of an oval cut
through. Transverse fissure vessels are
two which enter are Portal Vein & Hepatic
Artery vessels which come out are Bile
Duct & Hepatic Veins, Longitudinal
fissure, Lobes Spigule Quadrates &
Caudate, Cystic Duct joins the Ductus
communis Choledochus - or Common Bile
Duct Color a reddish brown Colour
length 12 inches Transverse 5 inches
2 inches thick, texture brittle friable
Colour due to the blood (Kneel) Longitudinal
fissure the remains of umbilical Cord & ducts
Venous & Vene Cava Not known how
The bile duct is formed in the liver but
suppose the Bile Cells which secrete the
Bile open toward one another & form
a passage for the transmissin of Bile

Dr. Meckel
Physiology
Cranial Nerves - 1st Olfactory & Root of Trigeminal
Sympathetic - comes out Olfactory foramen
Optic Nerve - 2nd - Optic Nerve & Substantia Nigra
comes out optic foramen
Nerves

Motor Oculi 3 Aris Cerebri
Parasympathetic 4 Vagus of Brain
Trophic 5 Pons Varolii
Motor Extremities 6 Corpus pyramidalis
Facial & Auditory Portio mollis & dura
Portio mollis stay in & dura Auditory Nerve
Pneumogastri & glossopharyngeal & vagus & accessory
Corpus olivari & Corpus restiforme pass
Jugular foramen
Hypoglossal 9 Corpus pyramidalis
Corpus olivari Anterior Condylar
foramen

Nerves
Superior Maxillary Nerve - 5 - Trigeminal
Vibrant Canal Trigeminal Nerve & artery
Sphenopalatine Foramen nasal branch of 5th pharyngeal
Inferior Maxillary

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(Anatomy)
(Physiology)

Digestion, Pancreas - Small Intestine Duodenum
portion, + Spleen portion out of Wirsung -
Commences from the Spleen side through
the middle to the Duodenum and Pancreas
Juice is like Saliva only it does not
contain Sulph Cyrogen, It reacts on fat
in emulsion, Bile

Bile is secreted all the time part
if it goes to stomach to emulsify the
the fats part of it passes off with the
feces, it thus reabsorb Bile the ad-
principles of bile, I will suppose
to be digested upon twice in the Cecum
after food passes the the Cecum digester
stops to perform a portion of a unit of
Vital Life

Absorption by the Lacticals + Veins -
Lacticals commences in the villi of the mucous
membrane of small intestine they are supplied
by an artery bringing them - and have cells
closely connected together - chyle is secreted
Vital Chemical action by the muscular con-
traction of its muscular fibres

Description Chyle Corpuscles of which when drawn from
a Gland it undergoes spontaneous Coagulation Chyle
Corpuscles suppose to originate from globule of oil with
a coating of albumen, this is Aschmann's theory
but this theory is incorrect Dr Michel's theory is that it
may be a small portion of veins which forms it
Chyle empties themselves into Thoracic Duct
which empties into Subclavian Vein the
Corpuscles produce Blood Corpuscles Chyle in
man 3 1 - 2 lb

Blood vessels Veins & Arteries absorb Excess
End moris depend on some ^{regulate} condition of
the Membranes Passage of fluid through Membranes
due to the a certain affinity for the fluid by
a peculiar physical condition of its Membrane
position character Membranes - Heat favours it
Use of Absorption To carry the Nutritional
Material to form blood

Thoracic Duct of the prime Lymphatic Vessels & enters
near the Jugular vein & enters the Subclavian Vein
a portion is, dilated call Receptacle Chyle is covered
by frequent Albumen when passes through the
Lymphatic System forms into Lymph

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(Physiology)

Secretion chlosterin is a concentration of nervous system going to the liver due to cell action

Then time serum

Kidney

Kidney rest upon the last lumbar vertebra upon the quadratus lumborum Left Kidney is larger than Right
Smallest diam. 2000 pounds of blood goes to the kidney in 24 hours The Renal or Excretory artery goes to the kidney through the Pelvis of kidney divides & forms the pyramids - The vein forms a close network around the convoluted tubes of Glomeruli. The artery then goes to the capsule. The tubes of Glomeruli measure $\frac{1}{50}$ to $\frac{1}{300}$ of inch. Composed of Cortex & Medulla portions. The tubes Tubuli Uriniferi lined by Epithelial Epithelium 1.000 in number
Weight of - Kidney = 240 =

Bladder -

Bladder is a muscular structure situated behind pubis in the male & in the female behind Vagina & uterus. Female larger than male - hold 1 pint - Urine pass out from Kidney through the ureters to the bladder.

Exercises
(Physiology) 1

Urine, a drop to the minute Urea & Creatine or Creatins found in the blood - also in the muscles Urea is form by the Disintegration of the Muscular system - Creatine or Creatinide is found in the Muscular system which becoms change into Urea - & by combining with some Chlorophen. The Kidney forms Uric Acid, or the Urea comes in contact with the granules or malpighian corpuscles forms Uric acid

Nervous System

Muscular Contraction depends on its own Inherent power - also part of Nervous System & part of blood which facilitates Muscular Contraction We have Striated muscle & Non Striated or fibres - Non Striated belongs to the involuntary muscles - under the control of the will, Nervous system composed of the Cerebrum Medulla oblongata Pons Varolii & Cerebellum - & Spinal Cord - Nerve composed of white matter of scarious outered inclosed by grey matter a Central axis - A compound nerve is one which the nerve is motor & Sensitive Serous Matter - Since it has membrane the Gleannaculi Pacchionii is attached to it

Arachnoid a Serous Membrane or
Mucous Membrane made up of Vascular Layer
Pia Mater. Minute Blood vessels held together
by Areolar Tissue
Spinal Cord consists of 32 Nerve roots
or 52 Nerves. Cord divided into Anterior Column
& Posterior & 2 Lateral Columns. Nine Thoracic
nerves from Anterior to Posterior Section
by a ganglion which occupies the space between
a ligament hold the Cord in the Vertebral Canal
Name (Ligamentum Denticulatum). Nerves from
to Trachea 88 feet in length or 1/2 inch
The Anterior portion of the Cord descends
towards the perineum, (Posterior diverge
from the sacral bodies) The Spinal
Cord is a Centre of Reflex action &
conveys off nervous influences. The
Vital part of brain is the Brainstem
which connects the Spinal Cord & Cerebrum
Cerebrum — 345 ^{type number} 912 meters
123891011 Since the nerve along
body - is visceral or parasympathetic Nerve with
uniform fibres Peduncle of Brain from the
continuity of the Anterior & Posterior Cord

3 4 5 6

Objecting 3 Roots Caput Stratum Optic Nerve
 2 Roots ~~...~~ + Tubercula quodammodo
 Infrad ^{is 2 mm} cum Pons & Ponticulus pons & Ventralis
 3 pair nerve into Cerebrum supplies all the eye
 Optic Oblique & Tenuis Rectus L. P. Th.
 supplies Oblique & Abducens & Tenuis Rectus
 One branch of 5 goes to the elevator palpebrae
 superior Cerebrum ^{is 2 mm} ganglion is attached to the
 short Root of 3 Root is spent upon the Iris
 5 Nerve or Inferior

5 Nerve Infrad ^{is 2 mm} Trigemini and for Pons 3 branches
 1st Branch goes to the eye & Ophthalmic nerve gives 3 branches
 Lacrimae Nerve to the lacrimal gland pons & the
 2nd Branch goes to the Head 3rd Nerve goes to the Head
 2nd Branch & 5th Sup maxillary nerve & Foramen Rotundum
 The Placenta maxillary gives a branch with a foramen
 all spheres maxillary ganglion comes out the inferior
 orbital foramen & divides upon the cheek giving
 many filaments which pass to the face & back
 7th is the motor

3 Branches of 5 Inferior maxillary nerve through
 Foramen Rotundum & Branch goes to mental canal
 one central branch 1 branch goes to the
 1 branch goes to the

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or motor
(physiology)
Facial or motor Nerve is Motor. Carrying
to motor Nerve of the a nerve of motion
about the muscles of face it contains some
filaments of Sensation
Posterior 8th

Eye + its Appendages

Anterior + Posterior aqueous Cystalline is a ^{convex} lens
Right -

The Cystalline Lens - brings light to a focus
The vertes minores

Offices Transmitt Median To Refract +
modify the rays of light + thereby over
come Spherical + Chromatic aberration

Ear + Hearing

External Middle + Internal ear External Ear
Consist of Auricle Helix Antihelix Tragus
+ Antitragus Concha Lobule 3 Muscles
Attrichus, Middle Ear of Drum Drum
of ear is Tympanum - composed of radiata fibres
outer layer of skin drum membrane strong
composed of fibrous layer 1 -

(she)
[Thyself vlogs]

Mrs Velquez I only wish you could have been in
 Charleston to be ^{more} among the number
 to ~~be~~ ^{be} ~~to assist~~ ^{to assist} us in
 decorating the ^{our} graves of fallen heroes of
 our South Cause, I know too well that your
 generous nature would willingly ~~have~~ have
 assisted us in this solemn but yet glorious
 cause, Language cannot describe and words
 inadequate to express to you the many dear & fond
 recollections which no doubt fill the minds
 of some dear Widow Mother or some fond
Affectionate Father, or some Orphan Sister
 who by this war has felt the hand of
 misfortune, by being bereft of some one
 of their family ^{you could see} making a Mother then bending
 over the simple earth work which enclosed
 the remains of ^{Dutiful &} some Affectionate Son ^{as a member} arrang-
ing some garland of roses to mark that spot
where the joys of her once happy life
was full of comfort, but now blighted for
ever look at her countenance see the
expression of grief & despair
unexpressed sorrow & tears upon that
once lovely & beautiful face which

seems never to know any pain or sorrow
 Behind her comes ^{another} ~~the~~ clad in the
 deep mourning with her countenance
 expressing her deep grief to mark & place
 signs tribute of affectionate to her partner
 of life she is a young Widow, who only
 was united in wedlock but a week
~~when a strong~~ at she knew no more than
 her life seems as if it was one strain of
 love & happiness, devoted were they happy
 they must have been, free of pleasure -
 and enchanted by fanciful imagination
 that life & happiness was for ever but see
 those tears tracing & running down her
 happy face & dear word face she utters
 a cry my Henry - but no response
 is given even in death and clothed
 with the mantle of the ~~the~~ ^{been} which
 envelope his form he has placed in a
 soldier's grave only and earth work
 stands as recollections of a brave &
 devoted husband my heart was -
~~seeing~~ ^{sad} as I look upon & behold
 the solemn duty of this noble soft

Sacrificing some - 12
but all of these affections of these noble
pure & Brave Souls, but the Subject is too
much for me my pen wavers. I must
leave the Subject as it reminds me too
forcible that there lies in that island
of one of my former friend. John was
stricken down in the bloom of youth and
health by the bullet of the cowardly enemy
ah a cruel time yes a Brutal

xxxxxxx associated as we for
many 14 years. educated & raised up
together ready & willing to sacrifice
everything for sake of my happiness but
he is no more, like the rest of his
Comrades he sleeps in death. But
Kind Providence has ordered this for
some unseen & true purpose and we
should be satisfied that our life
is & was to have that pleasure to fulfill
it, our esteem & affection to their
memory. But Mr. M. P. Velquez is
well acquainted with the sad tale
I leave the Subject to a sad
heart and unwilling mind, some
land & some were decorative

Some Eight to see some —

It was a solemn sight to see some
4000 to 5000 soldiers, engaged in this
melancholy duty. The day was calm
and such as to make the sky as clear
as crystal only now & then a gentle
breeze wafting scented with the aroma
of some distant flowers to remind us
of gentle springs.

Your Photograph is
 before me, a striking resemblance of the
 original, if you would allow me to
 criticize, I will simply say not for
 the sake of fun but a just criticism, if it will
 not offend, for the countenance is a perfect oval
 but not in the standing ^{the} shape it seems as if
 it was better for a ^{like you} study of the highest order
 intellectuality, Eyes ~~these~~ eyes as they look
 into yours beneath their softly drooping lids
 fingers with dark brown lashes slightly
 curling how full of sentiment ~~and~~ they do
 upraise the brow that arches above those
 eyes ~~are~~ finely pencilled twice divided
 and ~~and~~ how over the handsome
 forehead which speaks of intelligence of

No he just ~~comes~~ ^{the} ~~in~~ ^{the} seem beautifully well
shaped + form ready to pass those words of
and sentiments from a ~~frank~~ ^{frank} + genuine heart.

The Ann small - and seems to speak to one
of amiability - to sum up the whole
a striking likeness of the organ which
combines Generosity Fidelity Intellectuality +
Amiability.

I will consign it to its deserv-
ed place in my Record, as it will often
remind me. ~~At that I possess a Photo~~
~~graph of a Fine Lady's~~ ~~Picture~~ ~~is~~
~~a curious feature a sharp striking~~
~~a~~ ~~feature~~ ~~disproportion~~. It would be useful
and superfluous in me were I should pass
a flattering Compliment on your picture
(in reality) but ~~not~~ knowing you
do not admire flattery - I will not prolong

The weather has been very warm and it is
a fair indication that we will have
a very hot and uncomfortable summer
and no doubt quite largely owing
to such a long + protracted dry Spring
but I hope we will escape the

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wonder of yellow fever it would be dead just
for it to bring out. Its ravages no one
can imagine but I Trust in Providence
that we may have a healthy summer.
~~What beautiful moon tonight but the~~
moon. The City at present is extremely
dull, & every kind of business is at
a stand still. It seems every body
is trying to hunt out some good
place to repeat himself. our better
Promenade which you have no
doubt heard of & so often seen.
No doubt Henry has made you
sufficiently acquainted with it ^{as to its} position
& beauty and it would seem rather
superfluous for me to give you a
description of it. but promise to
say. It is a summer resort by day
night for our Citizens I am quite
frequent to the place after finishing
with the cares of the day I bend my
waying steps towards it beautiful
food to regale & refresh my self by
it is speaking & taking some breeze

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Sailing (of mine)

I go to some spot where I can look
wide out on the horizon. and watch
watch the waves one by one. They try
to ascend higher & higher and then subside
and seem to arch like some ^{very} motion
a spring mound now & then. I see
some pleasure Yacht ^{gliding} out in the
harbour with a pleasant crew at
aboard & every splat of the oar &
rippling of the waves illuminates ^{around} with
phosphorescent light to calm ^{reflected} ~~the~~ ^{the}
or to one who likes to indulge ^{the} ~~the~~ ^{the}
of the part in better resort & ~~place~~ or
seemly offer. To one who is educated
with it points of interest that surround
him can reflect & consider to himself
the past days when his eye would be
caught by the twinkling light of some
surgey object passing the heavens &
which tell him of the famous & renowned
bombardment of St. Ives to finish my
tale, I take a seat & make my
self comfortable. I then to a pleasant
Motel & ^{reside myself at night} ~~reside myself at night~~ of the part

~~The many delightful thought which
 present to my fancy mind tells
 me I am alone, sometimes I am led
 to believe that I am in a ~~land of~~ ~~land~~ ~~land~~ ~~land~~
 with my comrades, imagination led
 me to recognize the many faces of
 who are departed forever, sometimes
 a picture is before, as from I see the my~~

and the pleasant recollection which
 I have enjoyed both at home and
 abroad, then I would think of some
 dear friend who gives himself as a
 sacrifice to his Country call and as now
 silently sleep^{ing} on some distant hill,
 then again my mind will wander &
 drift me back to scenes of more
 pleasant a character, viz ^{those} spent in
 Aquatic I imagined to my self I can
 see you surrounded by that grace
 which ever marks you and that ~~proprio~~
 melody tone of conversation which
 attracts your many admirers

who becomes enchanted with those delicate
 sentiments which spring from a
 noble & intellectual mind giving ~~us~~
~~music~~ music like some distant
 rivulet whose waters play among the
 white pebbles and flow on in ~~the~~
 a ~~slow~~ stream to refresh the weary & discom-
 mulate traveler, I like to meditate
 on the past it is a source of ~~pleasure~~
 pleasure to me, but yet it seems
 eccentric but nature has given to us
 many queer fancies; some of us
 like solitude & ~~for one~~ find pleasure
 when I am alone & ^{my} mind free from all
 cares. It seems so pleasant for one
 to indulge in the past, but ~~and~~
 think of the many events which
 has happened & passed in ones life
 the intercourse with friends the agreeable
 little tete which has been enjoyed
 amongst the fair sex and the many
 attractions which has enlisted our
 profound admiration, How sweet
 and lovely must it be one who

1.

At close of day when twilight dews,
Embrace the scented leaves
And tinge the west in golden hue
Then I no more think of thee

2

I think of thee when moonlight beams
A-thwart the deep blue seas
And Zephyr amid the rustling leaves
Do part in wanton glees

3

I'll think of thee in winter gloom,
When nature ~~beauties~~ beauties - die
I'll think of thee when spring time comes
And flowers around us reave

3

I'll think of thee when summer beams
When joyous birds sweetly sing
I'll think of autumn leaves
For thou art withering

4

I'll think of thee when music falls
Upon my listening ears
And every string recalls
The time when thou wert near

When fancy steps to effies bower
And comes loves with thry
I'll dream again of vanished hours
And fondly think of this

Dear Imp accept the heart's love
To deck thy bosom most fair
Observe it here nor wonder why
It blushes to be there

1
I shall ever think of this
For thy spirit haunts me ever
Like some faray melody
When in loneliness I wander
I will often think of this

2
I shall ever think of this
When the stars are soft, smiling
Through the lone silent night
Then I'll fondly think of this

3
For thy spirit is so radiant
In its love & purity
For thy image is ever before me

When ever I am dreaming of this

There are hours when dreary shadows
 Cast their glooms upon thy heart
 When I think how well I Love Thee
 How I will ever think of Thee

No I know there is no other
 Ever can be so dear to me
 That thy smiles ever haunt me
 When ever I be

Whole face has been marked by
 a pure Christian life & has never been
 marked by an epoch of unhappiness or
 discontentment,

Rt is grain to one pound

Perlat Artas $\frac{3}{4}$

Pulv. Opus et Opio gr x 116 grains to 1 lb

M. Rt. Pulv et div into chart No IV

S - take one powder every 3 hours
for diarrhoea & dysentery

Rt Carbolic Acid $\frac{3}{4}$

Ole. Olive $\frac{3}{4}$

M. Rt. Mix

Apply to amputations Stumps

Sims on Conception says the best
time to impregnate a woman is
on 3, 5, 7 days after the
menstrual discharge is ceased
on the 3rd day before the
flows commence & but one

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Medicines are absorbed into the blood
They can be introduced by the mouth
Skin. + Rectum Throat by skin twice
as much as mouth Rectum 3 times as
much They have a physiological +
curative action. Doses of Medicines
for Children 1 yr $\frac{1}{15}$ + 2 yr $\frac{1}{8}$ + 3 yr $\frac{1}{6}$ —
4 yr $\frac{1}{4}$ + 7 yr $\frac{1}{3}$ + 14 yr $\frac{1}{2}$ + 21 yr $\frac{2}{3}$

Dose. 5 grs by Stomach Sound Skin 3 to 6
Ulcers 2 to 4 Endermic 1 to 4 grs
Emma 2 to 4 eye $\frac{1}{2}$ to 1. Epidermic
 $\frac{1}{5}$ to $\frac{1}{20}$ grs

Plan in Inflammation of Tonics

1st Test for Lead by Iodine Potas Yellowish
precipitate 2nd Sulphate dark brown
precipitate 3rd Carb Soda white
precipitate.

Tonics Medicines whose actions are
shown by the ultimate results than immediate

Tonic. Divided Simple & Bitter. Vegetable
acid & Mineral Tonics

Hot - Stimulant ²Diaphoretic ³Escharotic
Vesicant. Repepescant

Cold - Sedative ²Domestic, Tonic
Astringent, Nervous Stimulant,
Anæsthesia, prophylactic.

Quinine

Tonic (Cinchona Palladi - Act P. Princip
Cinchona), (Cinchona Flava - Act P
Quinine) Cinchona Rubra Act P
Quinine + Cinchona, Test for
Quinine Iod Potass & Iodine
Quinine

Hutchinson's Tinct ²13. Iliad Et 30 gr 13
S. / Quinine 60 or 13. Sulp Cinchona 1/2
Stronger Arsenite Quinine 1/2 to 3/4 grs
Tahaminto 1 to 4 grs Citrate Quinine + Quinine
grs 5 to 10 grs Test for Quinine.
Iod Potass. Quinine and red Starch + Quinine
with Iodine Quinine Blue Colour
Sulphuric acid black Colour
Sugar Red Chalcid Quinine, green Colour

Maternal Medicine

Intermittent Fever, Cold Stage, and Malarial
 posion Hot Stage and Congestion Liver
 Jaundice during intermission Fever
 in the Cold & Hot Stages of Common Intermittent
 Action Jaundice Nervous System & Blood
 4. Salsp. Ferrous gr xxx ^{Sals} - Maphia gr ii into
 Pills no 6 Tracet Prescription for Int. Interm.
 Tetanus. Rheumatism Sympiesis
 Opium. Antidote for Jaundice

Ferrum

Ferric Redaction Hydrogen or Jaundice 25 grs			
Ferric Subcarbonis	dose	grs	5 to 70
Ferric Sulphas	"	grs	2 -
Ferric Tart Et Ammoniac	"	"	5 to 70 -
" " " Palae	"	"	5 " 10
Ferric Citras		grs	5 " 10
" " Stychnus	gr		2 - gr
" " Magnesium	"		5 grs
" Phosphate	"		5 to 7 -
" Pro-phosphate	"		3 " 10
" Valerianus	"		1 " 4
" Iodidum	"		3 + 5
" Et Ammoniac Salsp	"		3 " 15
" Zinc Chloride	grs		5 10

Worms Anthelmintico 12

At Sals Capin Jr x -
 Agua 31
 for King Worms -

Angina pectoris Neuralgia Heart
Rd Salt Time with Opium & Ether

Dr. J. J. [unclear]
[unclear] medicine

Therapeutical application of Iron & Arsenic
Chronic debility dyspepsia, Erythras -
Bright's disease Scarlat fever, Diphtheria
palpitation of Heart Sulph. Ferri

Mineral Springs

Sulph. Zinc Argenta Nitras, Sulph. Potas
Cupi Cupi Ammoniatum - grs 2 + 1/2 dissolved
Hydrocyanic Acid Zinc Chloride Sulphate
Ammoniatum Acetate Carbonate Zinc

Liq. Chloride Zinc + Valerian Zinc
Nit. Silver with Hyoscine & Galium. 8 parts
quantities in chronic gastritis of Consumption
as discolored by air Nit. Silver each
part with Hyoscine Soda. 1 to 3
Ague in the acid Muratic Acid
Sulphuric acid grs 1 to 3. Nitro Muratic
Acid 3 parts of Muratic acid to 1 part of
Nitro acid 5 to 10 gts 12 Nitro acid 30
for Hooping Cough Symp 311
Aqua 317

Alteratives Calomel Iodine Bromine
Colchicum Hydrag. Mace Hyaline
C. C. Hydrag. Medum Rubrum

Dr Ducot
(Matco-Medica)

Alteratives — Hydrag-chls Mit or Pottochloride
Subchloride of Mercury, cald Calomel & Hydrag.
Corrosive Sublimat or perchloride Mercury
or Corrosive Sublimat $\text{grs } \frac{1}{4} \text{ to } \frac{1}{10}$ Hydrag Pottochloride
album white precipitate of Mercury Use Extternally
Hydrag Iodine Ribbon $\frac{1}{16}$ to $\frac{1}{4}$ gr Hydrag
Sulphuric Mercur $\text{grs } 5$ to 30 grs Potto Iodine
Hydrag $\text{grs } \frac{1}{2}$ to 2 grs Hydrag Sulph Iodine
Duspath Mineral $\text{grs } 1$ to 2 grs ^{Emetic} Iodine
Acute Hydrag $\text{grs } 5$ to 10 grs Mercury Contra
Indication an Emetic & Tilman
Scoury Diarrhea — Kidney diseases Mercury
not good The Blood is destroyed it also
upset the tissues Application to Diseases of
all Serous Membranes except in Peritonitis & the
yellow fever do not use it Do Iodine
Therapy Acute Laryngitis Pericarditis Mercury
is specified in the disease also a specified
in Syphilis Do Iodine ^{10 to 40 grs} $\text{grs } 10$ to 40 of Acute
Comp Iodine Iodine $\text{grs } 5$ to 10 grs Iodine Potto Iodine
 $\text{grs } 5$ to 20 grs Iodine Comp $\text{grs } 5$
 $\text{grs } 5$ to 10 grs. White Iodine Carbolic acid 16 to
Iodine 45. It is the way to make the
Colomona Iodine to the

[illegible]

Narcotics - Opium Sulphate gr. Sulphate of Opium
 50 L - Tinct Opium Aromatic, Camphor Opium
 Morphine Sulphate 100 to 1000
 Cinchon Sulphate 100 to 1000

Dr. Sacc
Mutch Indica

Prescription in the form

Pl Basis the principles Medicine
to be used. Adjuncts Medicines designed to
promote the action of the former. Conjoint to combat
its operation & to obviate any unpleasant symptoms
Constituent Excipient while giving the required
consistence or form.

Narcotics ^{some persons 8 grains}
10 grains, 10 grains, 8 grains

Opium Contraindicated Congestion of Brain
In fever give it during the decline
of fever - never inject more than $\frac{1}{10}$
grain of opium of morphine under the
skin

Narcotics

Artificial Stimulants oraphegus & ammonia
Belladonna $\frac{1}{4}$ $\frac{1}{2}$ Suet 10 30 gr
Ointment Liniment Atropine Sulf
Atropine Sulfate Paper covering
Paralysis of Cerebral nerve 2nd Contract
the Radiating fibres of Pons Atropine
Dose $\frac{1}{20}$ to $\frac{1}{30}$ grain constipation

Shamoon

24 Shamoon $\frac{1}{4}$ $\frac{1}{2}$ Tinct Sham
Sls 15 to 30 grains in

Humboldt

Trichostema Indica

Hyosamus Tinct 5 to 15 grs E.L. $\frac{1}{2}$ to 1 gr
Mind 4 act 5 - also in all Bronchial Disturbance
4 Syc Scilla 3j Tinct Hyosamus 3j Aqua
3 to 4 drops 3 times a day when hard
Bronchitis with cough Chlorine bromide
Hyosamus - given in E.L. 1 = 3 gr Tinct 5 to
10 grs Tinct 3ss - to 3j Hypertrophy of
palpation of heart

Asia

Canbis Indica (Indians Hemp, E.L. $\frac{1}{2}$ to 2 grs
Tinct 40 grs 1 grs) Effects on system does not
increase the intellect of brain produce gorgeous
color & beautiful visions & different
Ideas & thought. In India a band of Robbers
commit murder & Robbing by taking
Canbis India Tetanus Spasms also
to cause uterine contraction relieve Trismus
Rheumatism Neuralgia Erysipelas skin disease
Hips & muscles Tinct Infuse Tinct
in 300 drops in Spermaticula & all
disease of genital organs

Indian Hemp Seeds (Hemp
as Belladonna is used
Tinct 5 to 15 grs 14 to 18 Use made obscure

For Tonic & Expectorant medicine

Stimulants use in Pneumonia all Sympthoms
fevers - give it in small doses & frequently
of fluid say 3ss every 1 hour. Contraindication
in serious diseases such as Pleurisy Pneumonia
Pneumothorax Alcohol whiskey Brandy Wine
Capsicum ^{5 to 10 grs} Red Pepper ^{8 to 14 grs} Black Pepper in Cocca
Stages of fever { Turpentine oil in Epilepsy
Angina Pectoris, Asthma in Hemorrhage
from uterus, Intestine, Carb Ammonia 3ss to
℥ss - use as Arterial Stimulant in all
fever when not depression Pneumonia
Bronchitis give Carb Ammonia 3ss to
Snake root in water but prescription in 2
stages pneumonia Swelled into nervous
Arterial & General Cimphora 3℥ss
M^{co} Alcohol Aq^a 3℥ss Magnesia 3℥ss
7 1/2 grs R^x Sulph Magnesia 3℥ss
Tartar Emetic 3℥ss
Infus Serenis 3℥ss
tea & spoonful 3 times a day
or uterine rigidity
Tartar emetic in Crohn

Carthartics Medicines that which evacuate
the alimentary canal — first by increasing
the Peristaltic action & Absorption,

^{Vegabona} — 3^{ss} 3^{ss} — 3^{ss}
Purges Castor Oil Olive Oil Linseed Oil

Mellita butter ^{3^{ss}}
Drastic ^{Turkey} Rhubarb ^{Palmarum} & St. J. Turkey

Russian Rhubarb The same from Turkey
^{Plant Symploc Comp. Gm.}
Ashurst Lonic Lat. Am. Carthartics

Aloes grs 1 to 5 grs Hepatic ^{Sooty} Cape Verde
juice. Acts upon Large Intestine

Juglans Cinerea Butter Nut Proct
Sama a Rhubarb Ext. Dose 5 to 10 grs

Jalap. Ipecac Dulcific Mixed Dark
tinct. Colours Dose 5 to 10-15 grs.

Senna — Podophylla Mory app. Ext
Artificial Scabiosa

Digitalis Veratrum Viride Antimony &
Hydrocyanic acid Part emetic 1/2 to 1

Phos. Emulsi Ant. Wine 2 grs to 12
Dose 5 to 10 grs Hermin Mucil. Attenuat

Dose 1 — 5 grs Tart. emetic 11 Sassa
Sassafras in powder to relieve heat & Pain

It is also useful Dose 2

Digitalis Rt Blue Mass 5grs } Digitalis Scilla 2 1/2 182
Rt Blue Mass 5grs } Rt Blue Digital 3 grs
Pain Digital 90 1/2 Scilla 15 grs
3 times a day for various forms of Dropsy

Rt. Sulp Iunino 3T
Herri by Hydropic 3os
Ext Int Vomica gr XV
Acid Arsenic gr III
Piperino 3os
Ext Sento 9S

M. Dried into XXX pills
S - take one 3 times a day for
Glands Intermittent Specimen

Rt. Santonino grs XXIV
Camphora grs VI
Hyd Chls Mict grs VI
Bicarb Soda gr XXIV
It Powder No 11

S - one every 3 hours -
Specific for Worms

Rt.

17

Pu^lpt. Cietra Z^{ss}
 Camp Intet Opⁱ Z^{t}
 Bi Carb Soda Z^{t}
 Pulv Acacia Z^{ss}
 Art Sy Rheⁱ Z^{ss}
 Cinnamon Aquⁱ Z^{viii}
 Fit Mustard

Chalk
 M⁺ L⁺

S - a half tea spoon full evy
 3 hours Chalk int tin

Rt. Blue Mass gr x. gr^{t}
 Pulv Digitalis gr v. gr^{t}
 Pulv Scilla^e x. gr^{t}

M + D. into + pills some 3 time
 a day. for sorpay

Rt. Tritato Potas Z^{t}
 Bicarb Potas gr xv.
 Acetato Potas gr x.
 Smt Opt Nitro Z^{t}
 Aquⁱ Z^{viii}

M - Fit Mustard

S - tea spoon full 3 times a day
 Never mix time -

150
Medical Prescriptions for Dr. [unclear]

℞ Ferri by Hydrog. ʒss
Sub Int Br. m. ʒi
Ext. Senta ʒss

In D. into 4x4 pill one 3
times a day —
or

℞ Ext. Tanacetum ʒii
Iron by Hydrog. ʒi
Sub Int Br. m. ʒi

In D. into 4x4 pill one 3
times a day for debility & neuralgia
of brain.

℞ Iodid Sulphur impure
for Ulcers & Ecth.

℞ Ego Scilla ʒss
Camp. Int. Opib ʒii
Pulv. Acacia ʒii
Cart. Ammonid ʒi

In D. into 4x4 pill one 3
times a day for Cough & Int.

Chemistry

Cohesion - Takes place between substances whose composition are the same as pieces of Lead & clean Cut wires Cohere Together also pieces of glass

Adhesion - takes place between substances whose nature & composition are off a different composition as glass & Copper

Atmosphere

Atmosphere composed Nitrogen $\frac{4}{5}$ - Oxygen $\frac{1}{5}$ - Carbonic acid & watery vapor

Gases

Nitrogen gas $\frac{4}{5}$ - Made by burning a piece of Phosphorus on a glass plate the phosphorus is converted into Phosphoric acid and remaining gas collected is Nitrogen Gas
Form 5 compounds with Oxygen

Hydrogen gas ^{in nature} is made by Sulphuric acid ⁸⁰³ in Zinc & Iron filings it burns it forms 2 compounds with Oxygen
^{Nitrogen & Oxygen combine in 1:113}

Oxygen gas $\frac{1}{5}$ - ^{found in nature} ~~Sulphuric acid~~ ^{2 compounds Sulphuric acid 502} ^{10 11} ⁸⁰³ ^{Phosphorus 1600}
Made by taking Black red Manganes

Chlorine Gas - $2\text{HCl} + \text{O}_2 \rightarrow 2\text{H}_2\text{O} + \text{Cl}_2$
 Chlorine Gas - $\text{H}_2\text{O} + \text{O}_2 \rightarrow \text{H}_2\text{O}_2 + \text{O}_2$

Oxygen Gas - + heating it or Chlorate Potass it produced Combustion.

Acids

Nitric Acid No² by taking Sulphuric SO_3 in Nitrate Potass Nitric acid vapors pass over along with H_2O + aqua - + Bisulphate remains which forms Aqua Fortis - Test on Litmus Paper take some scrapings of finger nails with the acid apply them to the paper

Sulphuric Acid SO_3 Made by taking Part of Sulphuric Acid (Sulphuric) to a red heat by which the SO_3 is driven off + condensed + the peroxide iron remain Or another Method

A mixture of Sulphur + Nitric is exposed to a heat so that the vapors are carried into a Landed Chamber upon which there is a stratum of H_2O - aqua Nitric acid of the Nitric gives up oxygen + some of the SO_3 gas

Gas

Chlorine Gas - Made by action of SO_3 on Bleach Oxide Manganese

~~Expands~~
Chemistry

Heat - Hydrochloric Acid Sulphuric Acid
SO₂ on Chloride Sodium
Heat

Heat Contract & Expands Heat is
Carried on by Conduction Radiation
Reflected Heat passes to Liquids
by Convection

Electricity. Vitreous & Resinous
also Positive & Negative

Magnetism If the Transmitted by In
duction Like bodies Repel each other
Different bodies attract each other

Chemistry Oxygen 8. Hydrogen 1
Nitrogen 14.

Ammonia N a - found in Nature & also
Obtain from Camels Dung & Coal English
& have sharp of ammonia

Liquor ammonia made by passing Sol. Amm.
by heat into water which gives us Liquor
Ammonia

Nitrogen with Oxygen 5 compounds **NO**
 Ben Ox. N^o 1 Nitrous acid Nitric acid
 N^o 2 N^o 3 N^o 4 N^o 5

Protoxide Nitrogen or Laughing gas **NO**
 Heating Nitrate of Ammonia - Collecting
 it under water we have the Compound of
 $\text{NO} + \text{H}_2\text{O}$ It will burn when
 a flame is put into it or a candle reticulated

Binoxide Nitrogen N^o 2 by Nitric acid and
 Copper - will give Binoxide Nitrogen **NO²** or
 Nitrate Copper a orange colour Gas
 If put out a candle when oxygen is added to
 enter it will form orange color gas N^o 4 N^o 2

Chlorine gas 35.5/10

Chlorine - Cl 35.5/10 - Black Oxide Magnesium
 with Blue acid gives Chlorine gas
 when combined with hydrogen gas HCl Hydrochloric acid
 found in Salt water It forms $\text{MnO}_2 + 2\text{HCl}$
 $+ 2\text{H}_2\text{O}$ - MnCl_2 For Chlorine Magnesium Sp gr
 $2\frac{1}{2}$ heavier than air - It will be absorbed by
 water It may be liquefied by pressure by 4 Atm
 when a flame is put into it will form HCl + The
 Carbon will be brought down the flame of the

Dr. G. H. H. H. H.
[Chemistry.]

Chlorine gas candle will go out from the
precipitate of black carbon & form HCl & it
destroy vegetable colour - when in contact with
water keep it into dark place - when pour into dark
water it will change it into yellow colour Gold will
go into solution {Compound Chlorine & Hydrogen
equal parts form the Hydrochloric acid
 HCl & $NaCl$ $SO^3 + H_2O$ - Chlorine leaves
the sodium decomposes the water & the oxygen
from H_2O & HCl - comes off and leaves
 $NaO + SO^3$ Sulphuric acid on Chlorine
Sodium gives Sulphur Sodium Sulfate acid
Ammonia test for SO^3 & emitting fumes
Compound ClO ClO^3 ClO^4 ClO^5 ClO^6
Hypochlorous acid Chlorine water in solution with
water $Cl_2 + H_2O$ - they form 1 Atom
Hydrogen & form $ClO^5 + H_2O$ or Chlorate Potash

Iodine 127.8

Take a glass & slightly heat it put a little Crystall
of Iodine & it will give a beautiful colour
Horned in Sea water & Marine plants and
in that over animals as sponges Fast if it
tree - Take Acid & a drop of Iodine & add

Dr. Shepperson
Jan. 127.01 (Chemistry)

Iodine - Iodine Starch prepared by adding
a Blue color column - To test if Iodine
is in combination with Potash add some Chlorine
water then add Starch Compound of Iodine with H
are H^+ Hydroc Acid This acid formed by sand
Phosphorus & Iodine give a yellowish green Orange
color & white smoke arises which is Phosphoric
acid again will give the Compound Hydroiodic Acid
Iodine & Oxygen Combination are HO^5 HO^7 HO^9 made
by a Solution of Potash with Iodine add heat gives
the Iodine will leave the Oxygen from Potash escape will
give Iodine Acid HO^5

Bromine 80.2 sp gr 3 times as heavy
Found in the water of Ocean 1 gallon contains 1 grain of
Bromine, found with the metal Magnesium in
the Ocean, & Mineral Springs which contain Chlorine & Sodium
Test for Bromine - by Chlorine gas through it will
give a Brown Color - then add Sulfur which
the Bromine will rise to top & color - remainder is Chlorine

Fluorine H. 19.0

Found in water in a Mineral along with Iron & Copper
Fluor Spar in a Mineral Vein of different
color but purple the most beautiful color

or sulphur
chlorine

Fluorine, Combined with Calcium $\text{Ca}^2 \text{F} 19 + 23 \text{ Cl}$
also find it in Sea water Testaceous animals find it in
bones Gall animals It combines with Hydrogen forms the
HFL Hydrofluoric acid It will eat up glass - It then
the ingradate which causes pints & engraving upon glass
Sulphur S 16.0

Formed in nature in mines, also in combination with Iron & Copper
Hydrogen with Sulphur - or Hydro Sulphuric acid $\text{H}^1 \text{S}^1$ or
Sulphur then Hydrogen found from decomposition
of animal materials Tasty Sulphuric Mercuri
& water Sulphuric acid a gas that collect under
water runs from Sulphur then Hydrogen Test for
it Sol Acetate Plumbic - used find a black
colour - To correct the odor of Sulphur then Hydrogen
Chlorine added S^1 Sulphur & Cl^1 form combination
7. all acids. 1st SO^2 Sulphuric Acid 2nd SO^3
Sulphuric Acid SO^2 Sulphuric Acid burning
Sulphur in H^1 gas or in Atmosphere it can be
liquefied by 3 pressure Atmosphere air use to
black goods - SO^3 Sulphuric Acid Green
Vitreous called that because when one mix it with the
plumb produce black or by its weight. Test
for Sulphuric Acid is Chloride Barium
give a precipitate or cloudiness & add HCl

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Sulphuric Acid Sp gr - Colour Clear Brown
Antidote ~~Sulphur~~ Magnesia will form Sulphur
Magnesia. Atmospheric weight 5 Billion million
tons -

Phosphorus P 31.0 Sp gr 1.77
Found in oxygen as PO_5H_2O Sydate Phosphorus acid.
also found with Bases (Take a piece of phosphorus & lime
water in a glass retort & apply heat it will give a
beautiful rings which burn in the air be compared with the
experiment) with Bases as Phosphate Lime Magnesia
Zinc and Cypals different colour find it in the seed of
all cereals also in Bones of animal & many Phosphorus only
a little per State when heated to a high heat colour Red
Brown Phosphate Lime $P^{31}O^{40} + 71 Ca O + PO^{32}O^{32}$
Bone Phosphate Soluble in all the oils Phosphorus
with Hydrogen 3 Compounds PH PH₂

Non Metal Carbon C 6.0 Sp gr 3.50 +
Found in nature pure in the Diamond also
burning wood - also in Graphite or Black
Plumbago or Lead Charcoal will change all
colours Compound with Oxygen 2.1 oxide
Carbon CO^2 Carboic acid made by
boiling carbonate of lime with water. The
Sulphuric acid in water will have

Carbonic acid procured from heating Nitric
acid formed in Sored Vegetable Kingdom
 $2O_3 + 3H_2O$ Combines with Hydrogen are in form
of Salts Liquid and call HydroCarbon (2) Impure
gases Carburetted Hydrogen gas - It can be
Liquified by pressure found in marshy
grounds in a gaseous state Alcohol C^4H^6O
Olephant gas made by decomposing Alcohol by Si^3
Chlorine Ether made by mixing Chlorine gas & Olefant
gas will give Chlorine Ether & HCl - Put any
organic material It will give Carburetted Hydrogen
which will burn in a flame Carbon united with
Nitrogen gives 3 Compounds one a gas & 2
Solids Carbon with Nitrogen & deoxide
provision $C^{12}N^{14}$ call Cyanogen C_2N_2
Cyanide of Mercury - and appears Heat & will
form Cyanogen burn a beautiful peacock blue
flame - Cy^2O^2 Cy^2O^2 Cy^3O^2 It unites with
Sulphur - forms $S^{32}Cy^2$ Bisulphate Cyanogen
Sulphur Cyanogen with Hydrogen Sulphur Cyanogen
 $FeCy^3H$ $K^2FeCy^3 + 3H_2O$ Iron Cyanide
Potash Carbon in Sulphur

101 Cⁿ SI 4.0 sp gr 2.5 or 8.1 (Chemistry)

Silicon next to Oxygen found in combination with Oxygen (SiO_2 Silic acid) a white gritty powder take Carb Soda + heat it + add Silic acid it will form Silicate of Soda + add water get a solution in water + add Sulphuric Acid the Silic acid will be driven off + get Chloride of Soda found in nature in plants as seed coats + stems. Chaff of Rice contain a great quantity of Silic acid. In the Mineral Kingdom in Apatite white flint Flourine combines with Silicon from $\text{Si}^2 \text{Fl}$

Boron Bo ^{Cⁿ} 11⁰⁰ sp gr 2.468

Runs next to the Diamond when combined with Oxygen BoO_3 Boric acid a clear white powder when rubbed between fingers it will leave a soapy feel Test pour Alcohol in it + burn the gum a beautiful green color, Found in Active Volcanoes they get also from Borax a Salt.

Selenium 39.75

A Black Substance found in nature with Lead + Iron -

KO 39 KO ^{Si appears} ^{Chemistry}

Potash found in Rocks Carb Potas comes from
burning roots & branches of plants Potassium found
burn Carb Potas with its weight of Charcoal
put it in a Mercury flask & apply intense
heat & will get Metal Potas & Carbon
Oxide Keep Metal Potas in Naphtha
Caustic Potas made by Take Carb Potas &
equal quantities of Slack lime & boil it
Carbonic acid unite with the lime & form
Carbonate Lime. Carb Potas is the most
important of the Salts got from wood burning
& from plants

Sodium Na CW 230

Carb Soda with charcoal heated will get
Oxide Sodium in ocean & Mineral Kingdom
1000 parts Sea water ^{1 Cent} NaCl 29 ^{part} KOCl - 1/2 part
MgCl 169 part ^{part} MgSO³ 2 1/2 part ^{part} CaO 0 3/16 part
Sulphate of Soda used as to put on garments
& stage costumes to keep them from burning

Calcium Ca CW 20-

Lime water 1 to 7 water Stone Lime Test
when water is put on gives a great heat
& turns a green into white Chlorine or Chlorine

Carbonate Lime or Lime stone in Marble
+ Rocks - & Stones form whole of Chalk
made up vast number of skeletons of animals
Sulphate Lime find it in great back with 18
Rock salt & plaster parts CaO , $SO^3 + 2H_2O$

Magnesium Mg. CW 12?
Find it in Rock in Mineral Kingdom
Name Oxide Magnesium find it in combination
with Carbonated Lime forms a double salt as Ca
 $CO^2 + MgO$. CO^2 93 lb of the Rock

Alum. Aluminium Al. CW 13 -
Looks like Silver kind as Iron it will
burn all the metals except H & C. found more
abundant than any other metal on earth
found in Bones of the earthly Oxide
 $Al^2O^2 + 3SO^3$ Sulphate Aluminium
 $KO SO^3 Al^2O^2 SO^3$ -) Homans for
making Alum by taking Clay &
pour on Sulphuric Acid which attacks
the aluminium which forms Sulphate
Alum - Clay found in Massachus.
Call Say Hill & in all parts of the State

Supp 20
Chemistry

Barium Ba - CW 135 Sulphate Byrate a white powder to adulterated White Lead

Strontium Sr CW 43 with Oxygen Calc Oxide Strontite

Thallium Tl CW 203.0 Poisoning

Iron Fe CW 28.0 Combined with Oxygen
 FeO / Fe^2O_3 / Fe^3O_4 / FeO_3 Siderite Iron
a peroxide Iron made by taking Sulphate of Iron + Sulphuric acid then add Nitric acid & keep adding nitric acid until dark color is destroyed & then put it in water & then add ammonia to saturate all the acid then filter & give to Antivoid for a source Siderite Iron Cast Iron contains some Carbon Silicon Sulphur } Steel take bar Iron cover this with charcoal then place a brick over it then apply heat around it & steel is formed as Blister Steel

164
 So Shopp
 Chemistry
Manganese Mn 27,5 Found in Nature
 Heat Carb Manganese, to get Manganese and
 Protosulphide Bin Oxide MnO₂ MnO₂ Sesquioxide
 Manganese Acid. Per Manganic Acid
 taste. Sulphate Manganese, pink colour
 acid potash

Copper Cu 31,8 Sp & 8, 91
 Found pure in Nature with Silver hard
 Sulphate Carbonate bluish oxide Copper
 taste add Arsenic. Pickle run a needle through

Lead Pb 103- Sp & 1136
 Found as Sulphate with Sulphur as
 Sulphate of Lead red lead Composition of
 Ben & Protosulphide lead.

Methyl $C^1 H^1 C^2$
 Acetate $C^4 H^4 C^4$

112/60
 5

Zinc Zn 32⁵ Sp & 7-13
 Taste same fragments of Zinc + put them
 a Coal fire will see it is white
 fumes found in Nature

^{Stannous}
^{Chemical}
 Stannum Fin SN CW 98 p gr 2, 29

Antimony St CW 120 - St 0 St 0

Bismuth Ba CW
 210 - Bi 03
 Test

Chromium Cr CW 26, 3
 Of various Colours. occur in Mineral
 Kingdom have Compound Cr O₃ or
 Chromic acid is red Crystals beautiful
 Red Crystals Colours

Nickel Ni CW 29, 3
 Iron Ore found in Mineral King-
 dom -

Cobalt Co CW 29, 5
 Give beautiful Colours stain porcelain
 (Chlorine Cobalt a new Colour use
 as an invisible ink to write letters
 take Nitrate Cobalt then add
 Common Salt use as writing ink

Silver Ag CW 108 -
 Found pure in Nature

Chemistry
 (or Shipboard)
 Arsenic

J

Test for Arsenic in Solution or in Cont-
 ination with other soluble ingredients
 Take solution of arsenious acid pass a
 stream of Sulphuretted Hydrogen gas
 The solution will change into a tersulphide
 a yellow colour Arsenic insoluble
 in water of arsenic predominates over
 the water we have a deposit at the
 bottom a white sediment all small
 shot has certain quantity of Arsenic

Mercury Hg Cl 100—
 Test for Bichloride Hydrogen
 Solution is Potash it will turn
 Red colour

Final letter

No doubt you will be greatly surprised to
 find that I have taken the presumption
 of addressing this to you only having
 enjoyed the pleasure of being in your
 agreeable and intelligent Society
 but turned and then a stranger
 to me ever & since

Presumption might be said to work and unravel
out many a mysterious undertaking. For be
assured nothing could incite me to under-
take such a bold step were it not that
I was tempted by some desire to maintain
some

You might entertain the conception that
I must be quite presumptuous ^{an} individual
to take that honor upon myself to
write a letter to a young Lady, whom
I am a stranger to x x x x x
But such is man giving up to boldness
ready to accomplish any designs or
designs that his mental faculties might
impress him with but I can ~~you~~
assured you nothing could incite me
to undertake such a bold step
were it not that I was tempted by
some desire to possess. You will
no doubt ~~wish~~ wish me to explain
its nature & complexion I will promise
by saying if this need not offend
or meet with indignation at your
hands I will begin its explanation

with an air which seems to inspire
 and to exhilarate me with confidence
 to begin that delightful but yet —
 a ~~pleasing~~ ^{pleasant} explanation, ~~that~~ I have a
 written record kept by myself and whom
 I form a new lady acquainted and of
 any thing about her beauty or intelligence
 that should attract my attention I
 immediately place it amongst the
 best to record a full but just
 appreciation of that attraction which
 strikes & makes its indelible impression
 upon me ^{and I subscribe} ~~to become~~ a just consideration
 from my feeble ^{to the memory of her} pen, and if the —
 photograph of the person can be procured
 I placed it in a place to receive the
 dedication of those prints that I
 have been conversing with. ~~This~~ might
 seem rather strange & eccentric to you
 but hope you will not class me
 in amongst those who bear that
 appellation of Centers I have taken
 this opportunity of addressing
 you as upon a subject of

might consider quite a breach of etiquette
and rules of society - but I ~~ask~~ you to
pardon the petitioner if that should
offend, it thus a delicate question for
me to assume to ask a Lady for
her gift which she breeds maintenance
recession above all others. but such is
man, ~~feeling~~ he may ask too much
and expect more than can be ~~accomplished~~
accomplish, and thus lose that esteem
and regards which and should attract
which nature has in dear woman
with, But I hope Miss V
you will not for a moment entertain
any ill feeling against one whom
no doubt has commit a breach on
society - to ask of you if it will
be a pleasurable acceptable for you
to exchange Photographs with me
with that assurance of a
gentleman who pledges his honor
words to keep it as sacred from
the gazes of those who are ready

willing to find the defects of the
 object before them, my object to
~~press~~ ^{no doubt} possess it. has already been
 explained and ^{is} useful to reiterate my
 object to possess it. If this should
 be acceptable to you & meet with
 your approval and has given
 no offence, I enclose the photograph
 of myself for the exchange of you
 and pledge you my sincere word
 I will treasure it above all the others
 which I have, not for any circum-
 stance that may be attached to it
 but for ~~its~~ its Talents & the
 highest order whom the original
 has been endowed with by nature
 I have been too much & too often
 hindered your patience, but I
 thought it best to give you a full
^{elucidation of the matter}
 explanation. My trip to Augusta
 although very short I can never
 forget it & never in my whole life
 has Augusta been more agreeable
 and enjoyed myself there —

11
The time spent in your most intelligent
and agreeable Company can never
be erased from my memory its
charm - and thoughts and topics
of those evening ~~has~~ which I had
the honor and felicity to partake
off has made several times in a
state of Ennui to recall its happy
recollection and the fondest remain-
ences of the past; I was exceedingly
glad to see my friend Mr J H
PronTant and would have been
pleased to have seen you & Miss
PronTant as the Freeman's Parade
this year has succeeded and effected
any demonstration that has taken
place in Charleston every thing
passes off quietly & pleasantly & the
Freeman enjoy themselves finely. It
would be impossible for me to
give you a description of the parade
but will leave that task for
my friend Mr J H PronTant
who ~~will~~ ~~perform~~ performed

I am sorry that his stay will be so short
 with us - and would have been glad
 if he had remain'd over longer, but
 as he has the favor of a ^{supper} ^{in the} ^{evening} ^{of the}
 for another celebration, Hoping little
 this meet with no ^{will} objection from
 you, & hoping it will find you
 in the enjoyment of good health
 Mrs D - I would like to have the
 honor & pleasure of opening a
 correspondence with you although
 being quite a bad hand to correspond
 with. Lady whose intellect is so high
 & profound and of the deepest order
 of the highest culture it would
 no doubt fail to elicit any pleasure
 from you but if you are willing
 to allow me that happy prerogative
 I can but in return thank you
 for the honor in allowing me to
 be numbered amongst the
 list of your admirers & Cor-
 respondent, and if I should fail

to entertain you with my writings
 I hope you will pardon me - & over-
 look my defects, and place it
 to my intermeditation: Knowing that
 your ^{charitable} ^{amiable} ~~disposition~~ ^{disposition} will forgive me
 if I have offer any thing in the letter
 unbecoming a gentleman to offend you

I Remain Yours ever
 in Friendship

A. R. H.

Albion R. Rely M.

Mrs Haupt Liberty St near
 Lincoln St. Mrs Kennedy corner
~~Broad~~ Broad St & Pine St
 Savannah Ga. ~~for~~ ^{for} ~~order~~ ^{order} ~~of~~ ^{of} ~~the~~ ^{the} ~~city~~ ^{city} ~~of~~ ^{of} ~~the~~ ^{the} ~~state~~ ^{state} ~~of~~ ^{of} ~~Georgia~~ ^{Georgia}
 Worsley Cash mrs Soap

24
Mr. Esq. Vauquelin

Your interesting epistle dated the 6th has been
recd. by me on yesterday afternoon (Sunday) -
Happy am I to know that it finds you
enjoying good health, when your delectable
epistle was handed to me. If you could
have been near ~~me~~ to observe its effects
and to notice the various impressions
you no doubt would have come to the conclusion
that my physiognomy would ^{depict to you} ~~be~~ ~~be~~
fear and ~~stupidity~~ - but beloved -
the letter not knowing its precious
contents whether it seemed a just appropria-
tion or just indignation see the seal
is broken - its precious & holy -
pages are turn carefully ~~down~~ over
I grasp it with a tremor which seems
to undermine all my self confidence
I eagerly devour its precious & beautiful
written lines, the contents are read each
expression of sentiment is carefully
peruse and considered, page after page
is minutely read to see the consummation
at last the end is reach, my mind
becomes more tranquil & I

That the fears entertain is groundless —
That instead of indignation appreciation
has taken its place my fears are subdued
Calm collected and eagerly do I again
re-peruse its delightful contents
and happy do I exclaim that I am
fortunate to be the recipient of
such a beautiful and interesting epistle
from one whose mental mind knows
no limit which even above all
hydrocory do surface can ^{not} be seen
to depths ^{unimaginable} ~~unimaginable~~ as the bottom
~~blue waves of the ocean~~. Miss Tully
your ~~epistle~~ epistle will need my
attention to it several points of interest
which you have written and will
be answered separately 1st you have
written that its contents was "equally
beautiful to the ear a source of happi-
ness to the reader of intelligence a rich
gift and treasure to those who appreciate
wisdom & knowledge" It seems to me
that the flattering compliments you so
wisely ~~extended to me~~ have been mistaken

but command with me awhile - I must
 say my endeavor is limited my
 intellect & mental attainment is narrow
 & circumscribed to one boundary, & thus
 your Miss Talging that this compliment
 would be more appropriately applied
 for I must candidly & truly accept
 that you are the one the compliment
 which you so kindly intended to me
 would be better applied. Happy indeed
 am I to know that my letter was a source
 of happiness to you and has received such
 a highly appreciation ~~letter~~ ~~and~~ I had no
 hope that it would be accepted by you as I
 knew it was a delicate undertaking -
 I was not to know that you was not
 the ~~truth~~ ~~of~~ some not to son of George
 whom no doubt would have been
 highly incensed with my presumption
 and would ultimately ended in some
 altercation, but Fate has decreed
 otherwise and has made me
 fortunate to receive such a high &
 talented response from you - 2

Yours in reply. return the Compliments that the
time spent in your agreeable society shall
never be consigned to Oblivion, have you become
enchanted like myself with those
evenings conversations which I enjoyed
with you - if so, it seems like we were
ordained to meet, never can it be forgotten
by me, when in the ^{light & excitement of the} conversation
when you so frankly and candidly
express yourself and promulgated
freely - those noble sentiments which
penetrated & permeated every fibre of
my heart with gladness to know that
I was in the presence of a Lady a
Christian, at alas but too painful
to mention but bear me whole I express
(an Orphan) yes how sweet the
word no ~~praise~~ panegyric can
offer a just app. definition, I think that
the fond mother watching over her daughter
with a just inspiration her to sacrifice
all that is ~~from~~ for her there to soothe
the aching cares and to palliate the
suffering of her child no affectionate

Father to watch with pride over the growth
 of his heart as she steps into life with beauty
 and ~~surrounding~~ surrounded by all that
 is beautiful & lovely - No kind Brother
 to offer consolation and advice and
 ever defend her fair name - but alas
 there too no affectionate & amiable Sister
 to dwell with her to receive and share all
 the praise that has been offered and to
 accompany her through the rough & rugged
 paths of life & to help share the cold
 charity of the world but God has ordered
 this for a wise purpose reminding us that
 the and sinful mortals have an end
 Perhaps Miss Taubert's good will pardon
 me for touching upon a subject no doubt
 has aroused your ~~keenest~~ keenest sensibility
 of your noble nature - but allow me
 to say that I although a stranger can
 feel for one who has lost these
 pillars of comfort, but rest assured
 as long as my life is spanned
 I thought but a stranger will be a
 friend - whose thoughts will never

be found wanting in the list the fact being
deliberate friendship but a kind but
with that friendship ~~being~~ which will
be sincere, pure + ~~everlasting~~ unchange-
able. Therefore receive my deep thanks
with that assurance of a true friend
+ ^{me} therefore place amongst the list of your
wrote + true friends

3rd As to my Record you say it will take
a small space for me to dedicate a space to
the memory of ^{your attraction} acquaintance I can but assure you
room sufficient can be found x x x x x x x x —
It will be placed in the pages of that Record
with full ~~conviction~~ just merit to you. You
say that you do not possess either Beauty
or intelligence but I know that you
will not be egotistical it is not
for either of these but for that I wish
to place it there but for those noble
qualities and fine character & sentiments which,
you are endowed with, 4. As to your
photograph, allow me to extend my
sincere thanks and obligations to you in allowing
me that which I consider a honor ~~greater~~
greater than the wreath which encircle the
brow of the victor of the national war, I will

1850
be too happy to comply with your Command
and request believing I will prize it and
ever keep it sacred ^{and considerate} ~~for all~~ ^{to} ~~gazes~~ a
beautiful gift which comes from a Lady
which has no equal; all that I have
written to you I will on the honor of a
gentleman keep faithful, ~~to the last~~
~~and which has been enough~~ 4. Too glad
am I to know that my letter has been
received with such mark of esteem & degree
of pleasure and also that my petition
has been granted and my request for open-
ing a Correspondence with you has been
~~granted~~ granted you seem to flatter me
by saying that if my pen flows as
beautifully as my conversation
you will have to please as one of
my ordinaries. I think this Compli-
ment is more applicable to your self
^{my darling} you with such a fine & profound
intellect will ~~require~~ require a better
educated pen than mine to answer
your several questions & topics that you
may offer for discussing. Enclosed

You will find two Photographs of your humble
servant one colored & the other black & white
You will have to ~~decide~~ ^{select} a representative
one of me - -

which I send you for you to select &
keep - in exchange for yours - I leave you
to enter them. But the day being bad
and not feeling well that are indeed
poor like rest of myself - I have consumed
your precious time being too long in discussing
the several points of your letter but will
in conclusion ask you please^{ly} pass over
all my imperfections & ~~commission~~ errors
as I have been lately preparing a medical
dissertation for to be published which has
engrossed my mind completely & absorbed
all my Conceptions ~~Wishing the first~~
~~best~~

84. Urine (or Shippa Urine)

Urine in morning dark colour evening lighter
odour Carb. Ammonia Test Litmus paper
red for alkali blue for acid Sp gr of heavy
urine 1020 + 21 degree by use of urinometer
Urine up to 1025 + 40 denote Sugar or
Diabetes Mellitus } Uric acid in Urine -
form Mercur Test take + add H₂O
+ heat it yellow colour - + drop Ammonia in it
get a red colour or Purplish acid } Sugar
Test ¹ add potash ^{for soon} boiling. Change darker
The ~~color~~ colour turns Sugar 2nd Test Sulph
Copper + potash Change colour to dark red
colour Urea normal 2 pr cts Day 13

Test Urea 3rd
Light Ammonia 3rd
Test Camphor 3rd

Mix in well Shippa 1/2 oz 1/2 oz
Macerate for 36 hours in Cool +
Dark place Receipt for Marking
Colours is given

A. R. M. R. M. D.

at Adams
mean mean

To J. C. Steen Haw Ridge Coffee Co Ala
Judge Johnston Westville Dale Co Ala

In my last I promised to give you my idea of Nature
Beauty but not being a Poet I will have to stand
on that through that medium and will try to
elucidate by object of comparison. Beauty has
been said to be the mark of God, and as the
subject involves such a complexity of ~~diff~~
Ideas - I think it requires a more profound
intellect than mine to do the subject justice
but I will endeavour to give you some of my
disconnected remarks & general conceptions what
I think consists in Nature Beauty although the
types may differ with me, by way of comparison
take the world which is so mysterious, brought
to order by the almighty, with its many attractions
which he has placed there to cheer mankind & to
elicit his admiration of the Creation from a
beauty behold the stars of heaven shinning
in their dazzling lustre one finds another of
the not different in brilliancy is the not beauty
for one to gaze at, see the moon as she
rises in the east in her ma robe & to

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at Dadding
1. Ratio of Medicine
Don't take the patient a bath on the
banding take 12 to 14 oz of blood
Leeches 40, 50 Draw blood - give
Opium ^{gr 1/2 to 3} & Calomel ^{gr 1/2} & Blister depends
upon Traumatic injury use Cold to
whole Surface

Liver
Hepatitis Treatment & Symptoms treat
have been in mouth - Constipation yellow
colour stool Bile Hemipain colour
fluid is contain bile pigment thick
& red colour, Bile pigment due
to broken down colour of blood corpuscles
that forms bile pigment Hot nail
flesh when cut in a variegated appearance
as Nutmeg - different colours caused
the suppurated veins about the umbilicus
in cases of Dropsy from Hepatic
causes in Institutes Hepatic treatment
4th Tapericum - Immense Acid test
Nitro acid & more - Difference

glorifying & beaming with her translucent
 rays of light to illuminate the whole
 horizon ~~and see her~~ is this not perfect
 beauty? Can the ingenuity of the sculptor
 mind of man ever meet such a sign
 of beauty like this we may go & search
 the floral world where such beautiful
 works are displayed and we may find
 closely and observed ~~on the~~ that most
 delicate work its rich perfume - and take
 notice of its tint of color as go to the forest
 & ~~look at those things of other kinds as they are~~
 from the manner they have grown and
 the many shapes which they have attained
 does this not fully show to us that we have
 beauty there, and compare all these works
 of nature to those of man, we admire
 the paintings of the old masters
 who try to imitate nature in all its
 splendor - perfect and grand as they
 not discrepancy in his ideas as to real
 beauty. But alas Nature Beauty in
 my mind can only be found in a true
 literal sense in the form of a female

which is real & painted in the brightest &
most magnificent & brilliant colors
does not ~~her~~ ocular demonstration
prove that this is real beauty look
at that beautiful & symmetrical form
even the other traces of beauty which tell
us that her physiognomy is lovely & beautiful
in of human objects that the pale air &
diminished carriage - as she strode on road
with ease & grace
does not mar the heavenly enchantment
with the works of nature beauty & wish
me to the Floral region where the Chloë
of flowers is ~~her~~ bloom and is perfect
take that little insect violet & examine
closely are we not struck with its rich
perfume & look at its color, can any thing
be more perfect But look that beautiful
female with her virtues which has been
endowed with
~~the~~ & sent as a murdering Angel to
another & palliate the supped of man
with those words of consolation
which she utters and seems like so
much more to those who are
suffering & dying does she ^{not} ~~not~~ ^{not} ~~not~~

all these chains which ^{is apparently} fasten ~~the~~
 to call forth blessing from man that
 he is surrounded by such a beautiful
 work & ornament of nature. does she not
 overcome all obstacles that may impede her
 progress does not ^{the world} ~~the world~~ ^{who} ~~desire~~ ^{to}
 proclaim her beautiful one who will
 ever sacrifice all that is dear to her
 to go & make others happy by her gentle
 pure Christian character. but my
 mind declares to me to pause and
 seem to say to my pen cease thou from
 penning forth what is inadequate for the
 task give me that pure devoted
 Christian Mother and ~~write the~~
 virtues endowed with her many good
 virtues I will say in the face of con-
 tradiction that in her speaks nature
 beauty & I would like to hear your
 description that I may gather some
 new ideas, which I feel are fully
 capable of inditing - what better
 moon like nights we have had
 now ~~the moon~~ the moon does shine

in all her splendour, during the long
Noon light hours I thought

Rubeola or Measles Simple & Malignant
 eruption 3 to 4 day Shape Crescent
 Shape 5 to 9 day Eruption degeneration
 takes place forming branny Scales
 sometimes attack mouth & fauces
 Scarlet fever eruption 2 day
 Simple Anger more & Malignant
 eruption declines in 5 days

Like chlorate Potash & Sulfuric acid
 Sulfuric acid gives a beautiful
 compound

Ozone - 48 hr after Thunder Storm
 Made by passing Electricity through
 Oxygen Gas I divided it into 2
 Smells bad - or Taste & then I put it
 in a bottle & apply a piece of paper wet with
 Iodine Potash & add a heated glass rod in
 find a Blue Color Call it Chlorine & Oxygen
 Diamond suppose to be formed from alluvial
 gun or resin undergoing changes

Neubar / to get analysis of alluvial
 say - shape & size & shape by

At ... 8/65 Cartilage of the ...
Et ... 8/65 Blood vessels ...
Acid ... 111
Old ... 8/65
Hill ... 3 hours ...

Breathing air. Complimentary air ...
... air ...
Residual air that remains in lung ...

Vertex Left Right Pubis? Vertex Right
Sacro Iliac fossa - Left Sacro Iliac fossa &
Promontory, Pelvis Right Left - Pubis -
Promontory,

Face right + Left

Morbus morbum suam Habet atque
Cavitatem Disease & has its Disease as
at Health Bone Anomalous? puzzle

... fever ...
... acceleration ...
... fever one in which the ...
... not well marked ...
... fever preceding in our ...
... with a tendency to acceleration ...
... remissions

A.R. Helyett



1847

Class of
the

James Henry

Sub. of the



James Henry

James Henry

James Henry

James Henry

James Henry

James Henry

Prof. Chazal = Page 1

1 " Robertson = 44

2 " Geddings = 63

3 " Hinlock = 87

4 " Michel = 109

5 " Tinscot = 137

6 " Sheppard = 157

Andrew Smith - 1869

Night Lectures

Monday. 7. Mater. medica } 8. Physic

Tuesday. 7. Obstetrics } 8. Chemistry

Wednesday. 7. ~~Chemistry~~ } 8. Surgery

Thursday. 7. Pathology } 8. Chemistry

Friday. 7. Mater. medica } 8. Medicine

Talk. 3. 1/2 Chas. Leighton

and 3. 1/2 A. W. B. Miles 10 m.

3. 1/2 3. 1/2 3. 1/2

3. 1/2 3. 1/2 3. 1/2



